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Administration

Petroleum Supply Monthly

with data for September 2021

November 2021



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Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
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- Imports by country of origin
- Exports
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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	324,267	--	--	195,784	11,879	-4,901	456,836	79,995	0	1,038,118
Hydrocarbon Gas Liquids	166,205	-649	18,202	4,100	--	5,760	16,164	64,896	101,039	225,565
Natural Gas Liquids	166,205	-649	9,968	3,690	--	5,172	16,164	64,896	92,983	222,530
Ethane	65,486	--	166	--	--	728	--	10,883	54,041	64,013
Propane	52,917	--	7,793	2,334	--	2,226	--	37,794	23,024	68,541
Normal Butane	15,082	--	2,389	1,235	--	2,525	5,253	10,290	638	57,263
Isobutane	13,072	--	-380	117	--	127	5,535	81	7,066	10,437
Natural Gasoline	19,648	-649	--	4	--	-434	5,376	5,847	8,214	22,276
Refinery Olefins	--	--	8,234	410	--	588	--	--	8,056	3,035
Ethylene	--	--	19	--	--	0	--	--	19	0
Propylene	--	--	8,362	388	--	179	--	--	8,571	1,320
Normal Butylene	--	--	-131	22	--	447	--	--	-556	1,682
Isobutylene	--	--	-16	--	--	-38	--	--	22	33
Other Liquids	--	32,430	--	39,991	9,671	4,228	60,677	14,924	2,262	324,172
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	32,430	--	1,308	6,216	-967	35,818	2,185	2,917	25,430
Hydrogen	--	--	--	--	6,469	--	6,469	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	32,430	--	1,304	-260	-968	29,339	2,185	2,917	25,420
Fuel Ethanol ⁵	--	28,087	--	250	-260	-902	27,168	1,812	0	20,213
Renewable Fuels Except Fuel Ethanol	--	4,343	--	1,054	--	-65	2,171	374	2,917	5,207
Other Hydrocarbons	--	--	--	4	7	1	10	--	0	10
Unfinished Oils	--	--	--	16,167	--	4,185	2,208	10,419	-645	90,181
Motor Gasoline Blend.Comp. (MGB) ⁵	--	0	--	22,516	3,455	1,011	22,640	2,320	0	208,539
Reformulated	--	0	--	6,170	8,773	-493	15,415	21	0	45,099
Conventional	--	--	--	16,346	-5,319	1,504	7,225	2,299	0	163,440
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-1	11	--	-10	21
Finished Petroleum Products	--	201	543,575	28,056	-3,195	-9,169	--	74,402	503,405	270,620
Finished Motor Gasoline	--	183	290,205	4,416	-3,195	341	--	22,280	268,988	18,506
Reformulated	--	--	91,489	--	-7,203	3	--	--	84,283	26
Conventional	--	183	198,716	4,416	4,008	338	--	22,280	184,705	18,480
Finished Aviation Gasoline	--	--	334	35	--	-60	--	--	429	1,038
Kerosene-Type Jet Fuel	--	10	40,670	6,648	--	-560	--	2,921	44,967	41,969
Kerosene	--	--	597	252	--	588	--	257	4	2,656
Distillate Fuel Oil ⁵	--	8	136,512	6,731	--	-6,194	--	27,192	122,253	131,656
15 ppm sulfur and under	--	8	131,895	6,727	--	-6,052	--	22,792	121,890	120,493
Greater than 15 ppm to 500 ppm sulfur	--	0	1,348	2	--	19	--	1,325	6	3,168
Greater than 500 ppm sulfur	--	--	3,269	2	--	-161	--	3,075	357	7,995
Residual Fuel Oil	--	--	5,517	5,596	--	-1,405	--	2,945	9,573	28,025
Less than 0.31 percent sulfur	--	--	1,179	--	--	-977	--	NA	NA	3,389
0.31 to 1.00 percent sulfur	--	--	2,624	665	--	-276	--	NA	NA	6,446
Greater than 1.00 percent sulfur	--	--	1,714	4,931	--	-152	--	NA	NA	18,190
Petrochemical Feedstocks	--	--	8,710	624	--	63	--	--	9,271	2,962
Naphtha for Petro. Feed. Use	--	--	5,407	564	--	3	--	--	5,968	2,215
Other Oils for Petro. Feed. Use	--	--	3,303	60	--	60	--	--	3,303	747
Special Naphthas	--	--	919	470	--	4	--	--	1,385	1,087
Lubricants	--	--	5,515	1,077	--	745	--	2,982	2,865	11,487
Waxes	--	--	150	204	--	-52	--	153	253	491
Petroleum Coke	--	--	23,212	208	--	343	--	15,101	7,976	7,470
Marketable	--	--	17,341	208	--	343	--	15,101	2,105	7,470
Catalyst	--	--	5,871	--	--	--	--	--	5,871	--
Asphalt and Road Oil	--	--	9,888	1,794	--	-2,914	--	531	14,065	22,672
Still Gas	--	--	18,876	--	--	--	--	--	18,876	--
Miscellaneous Products	--	--	2,470	1	--	-68	--	40	2,499	601
Total	490,472	31,982	561,777	267,931	18,355	-4,082	533,677	234,217	606,706	1,858,475

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	Ending Stocks
Crude Oil⁴	3,011,603	--	--	1,655,810	146,873	-85,225	4,102,115	797,397	0	1,038,118
Hydrocarbon Gas Liquids	1,442,176	-5,823	186,598	46,152	--	-3,592	129,795	629,467	913,433	225,565
Natural Gas Liquids	1,442,176	-5,823	108,065	41,633	--	-4,378	129,795	629,467	831,167	222,530
Ethane	568,061	--	1,029	--	--	-5,587	--	104,210	470,467	64,013
Propane	465,543	--	75,025	29,694	--	-1,894	--	354,162	217,994	68,541
Normal Butane	131,930	--	34,223	9,972	--	15,620	37,567	114,980	7,958	57,263
Isobutane	114,044	--	-2,212	1,914	--	-1,904	52,381	816	62,453	10,437
Natural Gasoline	162,598	-5,823	--	53	--	-10,613	39,847	55,298	72,295	22,276
Refinery Olefins	--	--	78,533	4,519	--	786	--	--	82,266	3,035
Ethylene	--	--	201	--	--	0	--	--	201	0
Propylene	--	--	79,320	3,944	--	-167	--	--	83,431	1,320
Normal Butylene	--	--	-881	555	--	962	--	--	-1,288	1,682
Isobutylene	--	--	-107	20	--	-9	--	--	-78	33
Other Liquids	--	302,008	--	373,930	80,766	-1,842	576,868	147,882	33,796	324,172
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	302,010	--	11,615	51,202	-4,467	312,821	24,675	31,798	25,430
Hydrogen	--	--	--	--	56,066	--	56,066	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	302,010	--	11,561	-4,945	-4,464	256,617	24,675	31,798	25,420
Fuel Ethanol ⁵	--	259,836	--	1,196	-4,945	-4,474	239,631	20,929	0	20,213
Renewable Fuels Except Fuel Ethanol	--	42,174	--	10,365	--	9	16,986	3,746	31,798	5,207
Other Hydrocarbons	--	--	--	54	81	-3	138	--	0	10
Unfinished Oils	--	--	--	157,851	--	11,974	41,808	101,954	2,115	90,181
Motor Gasoline Blend.Comp. (MGB) ⁵	--	-1	--	204,464	29,564	-9,339	222,112	21,254	0	208,539
Reformulated	--	-1	--	59,913	52,806	-8,350	120,999	69	0	45,099
Conventional	--	0	--	144,551	-23,242	-989	101,113	21,184	0	163,440
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-10	127	--	-117	21
Finished Petroleum Products	--	1,522	4,875,017	243,838	-24,619	-33,271	--	733,997	4,395,032	270,620
Finished Motor Gasoline	--	1,412	2,584,362	34,921	-24,619	-6,804	--	217,181	2,385,699	18,506
Reformulated	--	--	800,136	--	-41,965	-22	--	--	758,193	26
Conventional	--	1,412	1,784,226	34,921	17,346	-6,782	--	217,181	1,627,506	18,480
Finished Aviation Gasoline	--	--	2,825	360	--	-83	--	--	3,268	1,038
Kerosene-Type Jet Fuel	--	67	347,941	43,362	--	3,342	--	24,460	363,568	41,969
Kerosene	--	0	2,364	256	--	-4	--	1,086	1,538	2,656
Distillate Fuel Oil ⁵	--	43	1,254,484	76,899	--	-28,785	--	288,719	1,071,491	131,656
15 ppm sulfur and under	--	43	1,197,184	75,203	--	-28,082	--	242,801	1,057,710	120,493
Greater than 15 ppm to 500 ppm sulfur	--	0	29,272	1,281	--	-240	--	20,955	9,838	3,168
Greater than 500 ppm sulfur	--	0	28,028	415	--	-463	--	24,963	3,943	7,995
Residual Fuel Oil	--	--	55,421	48,187	--	-2,209	--	29,200	76,617	28,025
Less than 0.31 percent sulfur	--	--	8,026	1,766	--	303	--	NA	NA	3,389
0.31 to 1.00 percent sulfur	--	--	22,382	7,549	--	-476	--	NA	NA	6,446
Greater than 1.00 percent sulfur	--	--	25,013	38,872	--	-2,036	--	NA	NA	18,190
Petrochemical Feedstocks	--	--	74,785	5,197	--	74	--	--	79,908	2,962
Naphtha for Petro. Feed. Use	--	--	47,400	4,240	--	139	--	--	51,501	2,215
Other Oils for Petro. Feed. Use	--	--	27,385	957	--	-65	--	--	28,407	747
Special Naphthas	--	--	8,566	2,957	--	27	--	--	11,496	1,087
Lubricants	--	--	45,889	12,824	--	1,787	--	28,523	28,403	11,487
Waxes	--	--	1,148	1,713	--	-64	--	1,346	1,579	491
Petroleum Coke	--	--	206,866	2,746	--	-233	--	137,593	72,252	7,470
Marketable	--	--	153,539	2,746	--	-233	--	137,593	18,925	7,470
Catalyst	--	--	53,327	--	--	--	--	--	53,327	--
Asphalt and Road Oil	--	--	93,723	14,406	--	-352	--	5,582	102,899	22,672
Still Gas	--	--	174,434	--	--	--	--	--	174,434	--
Miscellaneous Products	--	--	22,209	10	--	33	--	305	21,881	601
Total	4,453,779	297,707	5,061,615	2,319,730	203,020	-123,930	4,808,778	2,308,742	5,342,261	1,858,475

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	10,809	--	--	6,526	396	-163	15,228	2,667	0
Hydrocarbon Gas Liquids	5,540	-22	607	137	--	192	539	2,163	3,368
Natural Gas Liquids	5,540	-22	332	123	--	172	539	2,163	3,099
Ethane	2,183	--	6	--	--	24	--	363	1,801
Propane	1,764	--	260	78	--	74	--	1,260	767
Normal Butane	503	--	80	41	--	84	175	343	21
Isobutane	436	--	-13	4	--	4	185	3	236
Natural Gasoline	655	-22	--	0	--	-14	179	195	274
Refinery Olefins	--	--	274	14	--	20	--	--	269
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	279	13	--	6	--	--	286
Normal Butylene	--	--	-4	1	--	15	--	--	-19
Isobutylene	--	--	-1	--	--	-1	--	--	1
Other Liquids	--	1,081	--	1,333	322	141	2,023	497	75
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,081	--	44	207	-32	1,194	73	97
Hydrogen	--	--	--	--	216	--	216	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,081	--	43	-9	-32	978	73	97
Fuel Ethanol ⁵	--	936	--	8	-9	-30	906	60	0
Renewable Fuels Except Fuel Ethanol	--	145	--	35	--	-2	72	12	97
Other Hydrocarbons	--	--	--	0	0	0	0	--	0
Unfinished Oils	--	--	--	539	--	140	74	347	-22
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	751	115	34	755	77	0
Reformulated	--	0	--	206	292	-16	514	1	0
Conventional	--	--	--	545	-177	50	241	77	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	7	18,119	935	-106	-306	--	2,480	16,780
Finished Motor Gasoline	--	6	9,674	147	-106	11	--	743	8,966
Reformulated	--	--	3,050	--	-240	0	--	--	2,809
Conventional	--	6	6,624	147	134	11	--	743	6,157
Finished Aviation Gasoline	--	--	11	1	--	-2	--	--	14
Kerosene-Type Jet Fuel	--	0	1,356	222	--	-19	--	97	1,499
Kerosene	--	--	20	8	--	20	--	9	0
Distillate Fuel Oil ⁵	--	0	4,550	224	--	-206	--	906	4,075
15 ppm sulfur and under	--	0	4,397	224	--	-202	--	760	4,063
Greater than 15 ppm to 500 ppm sulfur	--	0	45	0	--	1	--	44	0
Greater than 500 ppm sulfur	--	--	109	0	--	-5	--	102	12
Residual Fuel Oil	--	--	184	187	--	-47	--	98	319
Less than 0.31 percent sulfur	--	--	39	--	--	-33	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	87	22	--	-9	--	NA	NA
Greater than 1.00 percent sulfur	--	--	57	164	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	290	21	--	2	--	--	309
Naphtha for Petro. Feed. Use	--	--	180	19	--	0	--	--	199
Other Oils for Petro. Feed. Use	--	--	110	2	--	2	--	--	110
Special Naphthas	--	--	31	16	--	0	--	--	46
Lubricants	--	--	184	36	--	25	--	99	95
Waxes	--	--	5	7	--	-2	--	5	8
Petroleum Coke	--	--	774	7	--	11	--	503	266
Marketable	--	--	578	7	--	11	--	503	70
Catalyst	--	--	196	--	--	--	--	--	196
Asphalt and Road Oil	--	--	330	60	--	-97	--	18	469
Still Gas	--	--	629	--	--	--	--	--	629
Miscellaneous Products	--	--	82	0	--	-2	--	1	83
Total	16,349	1,066	18,726	8,931	612	-136	17,789	7,807	20,224

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	11,032	--	--	6,065	538	-312	15,026	2,921	0
Hydrocarbon Gas Liquids	5,283	-21	684	169	--	-13	475	2,306	3,346
Natural Gas Liquids	5,283	-21	396	153	--	-16	475	2,306	3,045
Ethane	2,081	--	4	--	--	-20	--	382	1,723
Propane	1,705	--	275	109	--	-7	--	1,297	799
Normal Butane	483	--	125	37	--	57	138	421	29
Isobutane	418	--	-8	7	--	-7	192	3	229
Natural Gasoline	596	-21	--	0	--	-39	146	203	265
Refinery Olefins	--	--	288	17	--	3	--	--	301
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	291	14	--	-1	--	--	306
Normal Butylene	--	--	-3	2	--	4	--	--	-5
Isobutylene	--	--	0	0	--	0	--	--	0
Other Liquids	--	1,106	--	1,370	296	-7	2,113	542	124
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,106	--	43	188	-16	1,146	90	116
Hydrogen	--	--	--	--	205	--	205	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,106	--	42	-18	-16	940	90	116
Fuel Ethanol ⁵	--	952	--	4	-18	-16	878	77	0
Renewable Fuels Except Fuel Ethanol	--	154	--	38	--	0	62	14	116
Other Hydrocarbons	--	--	--	0	0	0	1	--	0
Unfinished Oils	--	--	--	578	--	44	153	373	8
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	749	108	-34	814	78	0
Reformulated	--	0	--	219	193	-31	443	0	0
Conventional	--	0	--	529	-85	-4	370	78	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	6	17,857	893	-90	-122	--	2,689	16,099
Finished Motor Gasoline	--	5	9,467	128	-90	-25	--	796	8,739
Reformulated	--	--	2,931	--	-154	0	--	--	2,777
Conventional	--	5	6,536	128	64	-25	--	796	5,962
Finished Aviation Gasoline	--	--	10	1	--	0	--	--	12
Kerosene-Type Jet Fuel	--	0	1,275	159	--	12	--	90	1,332
Kerosene	--	0	9	1	--	0	--	4	6
Distillate Fuel Oil ⁵	--	0	4,595	282	--	-105	--	1,058	3,925
15 ppm sulfur and under	--	0	4,385	275	--	-103	--	889	3,874
Greater than 15 ppm to 500 ppm sulfur	--	0	107	5	--	-1	--	77	36
Greater than 500 ppm sulfur	--	0	103	2	--	-2	--	91	14
Residual Fuel Oil	--	--	203	177	--	-8	--	107	281
Less than 0.31 percent sulfur	--	--	29	6	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	82	28	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	92	142	--	-7	--	NA	NA
Petrochemical Feedstocks	--	--	274	19	--	0	--	--	293
Naphtha for Petro. Feed. Use	--	--	174	16	--	1	--	--	189
Other Oils for Petro. Feed. Use	--	--	100	4	--	0	--	--	104
Special Naphthas	--	--	31	11	--	0	--	--	42
Lubricants	--	--	168	47	--	7	--	104	104
Waxes	--	--	4	6	--	0	--	5	6
Petroleum Coke	--	--	758	10	--	-1	--	504	265
Marketable	--	--	562	10	--	-1	--	504	69
Catalyst	--	--	195	--	--	--	--	--	195
Asphalt and Road Oil	--	--	343	53	--	-1	--	20	377
Still Gas	--	--	639	--	--	--	--	--	639
Miscellaneous Products	--	--	81	0	--	0	--	1	80
Total	16,314	1,091	18,541	8,497	744	-454	17,615	8,457	19,569

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	2,316	--	--	16,172	2,317	-470	-773	21,108	-	0	7,987
Hydrocarbon Gas Liquids	19,690	-8	462	794	1,862	--	96	1,631	7,863	13,209	11,644
Natural Gas Liquids	19,690	-8	-4	560	1,450	--	36	1,631	7,863	12,157	11,426
Ethane	7,638	--	--	--	-4,974	--	-91	--	2,169	586	946
Propane	6,958	--	407	390	5,587	--	3	--	4,797	8,542	8,289
Normal Butane	2,187	--	-336	170	1,409	--	100	1,240	805	1,285	1,787
Isobutane	919	--	-75	--	-257	--	0	105	1	481	120
Natural Gasoline	1,988	-8	--	--	-315	--	24	286	91	1,263	284
Refinery Olefins	--	--	466	234	412	--	60	--	--	1,052	218
Ethylene	--	--	16	--	--	--	--	--	--	16	--
Propylene	--	--	406	234	412	--	32	--	--	1,020	145
Normal Butylene	--	--	9	--	--	--	62	--	--	-53	64
Isobutylene	--	--	35	--	--	--	-34	--	--	69	9
Other Liquids	--	498	--	21,015	58,464	7,704	3,577	84,316	207	-418	67,981
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	498	--	65	8,174	1,385	-390	10,174	187	152	7,286
Hydrogen	--	--	--	--	--	105	--	105	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	498	--	65	8,174	1,280	-390	10,069	187	152	7,286
Fuel Ethanol	--	304	--	--	8,075	1,280	-311	9,788	182	0	6,456
Renewable Fuels Except Fuel Ethanol	--	194	--	65	100	--	-79	281	5	152	830
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,298	-94	--	344	1,413	17	-570	4,400
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	19,652	50,384	6,319	3,623	72,729	3	0	56,295
Reformulated	--	--	--	6,170	6,555	3,055	657	15,122	1	0	15,372
Conventional	--	--	--	13,482	43,829	3,264	2,966	57,607	2	0	40,923
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	107,857	14,212	35,592	-7,599	-4,930	--	2,082	152,910	67,053
Finished Motor Gasoline	--	--	95,803	3,280	2,613	-7,599	-48	--	28	94,117	2,732
Reformulated	--	--	36,290	--	--	-2,190	1	--	--	34,099	6
Conventional	--	--	59,513	3,280	2,613	-5,409	-49	--	28	60,017	2,726
Finished Aviation Gasoline	--	--	-5	33	201	--	66	--	--	163	231
Kerosene-Type Jet Fuel	--	--	1,997	2,175	9,397	--	-225	--	10	13,784	9,588
Kerosene	--	--	177	252	101	--	513	--	4	13	2,309
Distillate Fuel Oil ⁶	--	0	5,450	5,752	20,745	--	-3,489	--	635	34,801	39,319
15 ppm sulfur and under	--	0	5,494	5,750	20,256	--	-3,351	--	317	34,535	36,019
Greater than 15 ppm to 500 ppm sulfur	--	--	9	2	1	--	-19	--	185	-154	877
Greater than 500 ppm sulfur	--	--	-53	--	488	--	-119	--	134	420	2,423
Residual Fuel Oil	--	--	1,389	985	228	--	-935	--	493	3,044	5,841
Less than 0.31 percent sulfur	--	--	-4	--	--	--	-69	--	NA	NA	459
0.31 to 1.00 percent sulfur	--	--	1,059	266	--	--	-392	--	NA	NA	959
Greater than 1.00 percent sulfur	--	--	334	719	228	--	-474	--	NA	NA	4,423
Petrochemical Feedstocks	--	--	--	274	--	--	--	--	--	274	--
Naphtha for Petro. Feed. Use	--	--	--	274	--	--	--	--	--	274	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	15	3	--	--	1	--	--	17	33
Lubricants	--	--	371	144	485	--	58	--	141	801	1,364
Waxes	--	--	-6	110	--	--	-3	--	87	20	249
Petroleum Coke	--	--	688	--	639	--	--	--	593	734	--
Marketable	--	--	244	--	639	--	--	--	593	290	--
Catalyst	--	--	444	--	--	--	--	--	--	444	--
Asphalt and Road Oil	--	--	1,000	1,204	1,183	--	-865	--	74	4,178	5,343
Still Gas	--	--	878	--	--	--	--	--	--	878	--
Miscellaneous Products	--	--	100	--	--	--	-3	--	17	86	44
Total	22,006	490	108,319	52,193	98,235	-365	-2,029	107,055	10,152	165,701	154,666

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	20,943	--	--	145,233	22,734	-4,567	-1,879	181,352	4,870	0	7,987
Hydrocarbon Gas Liquids	172,434	-78	6,781	10,326	18,683	--	-680	8,317	79,568	120,941	11,644
Natural Gas Liquids	172,434	-78	2,491	7,947	15,492	--	-575	8,317	79,568	110,976	11,426
Ethane	65,722	--	--	--	-44,930	--	-192	--	20,401	583	946
Propane	61,769	--	3,731	7,132	52,385	--	128	--	40,512	84,377	8,289
Normal Butane	19,436	--	-389	646	13,822	--	-217	5,091	17,860	10,781	1,787
Isobutane	8,137	--	-851	169	-2,854	--	-99	1,094	6	3,600	120
Natural Gasoline	17,370	-78	--	--	-2,931	--	-195	2,132	789	11,635	284
Refinery Olefins	--	--	4,290	2,379	3,191	--	-105	--	--	9,965	218
Ethylene	--	--	153	--	--	--	--	--	--	153	--
Propylene	--	--	3,795	2,379	3,191	--	0	--	--	9,365	145
Normal Butylene	--	--	23	--	--	--	-72	--	--	95	64
Isobutylene	--	--	319	--	--	--	-33	--	--	352	9
Other Liquids	--	4,725	--	181,812	519,838	47,021	-7,917	755,680	1,558	4,075	67,981
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	4,725	--	1,152	78,809	7,123	-1,306	90,246	1,152	1,716	7,286
Hydrogen	--	--	--	--	--	816	--	816	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	4,725	--	1,152	78,809	6,307	-1,306	89,430	1,152	1,716	7,286
Fuel Ethanol	--	3,092	--	--	77,423	6,307	-775	86,748	849	0	6,456
Renewable Fuels Except Fuel Ethanol	--	1,632	--	1,152	1,386	--	-531	2,682	303	1,716	830
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	16,359	-589	--	1,072	12,110	229	2,359	4,400
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	164,301	441,618	39,898	-7,683	653,324	176	0	56,295
Reformulated	--	--	--	58,705	66,746	11,536	-6,592	143,575	4	0	15,372
Conventional	--	--	--	105,596	374,872	28,362	-1,091	509,749	172	0	40,923
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	2	949,386	128,310	328,466	-46,205	-25,694	--	20,446	1,365,207	67,053
Finished Motor Gasoline	--	--	847,784	26,255	27,787	-46,205	-1,830	--	1,758	855,693	2,732
Reformulated	--	--	316,789	--	--	-8,525	-24	--	--	308,288	6
Conventional	--	--	530,995	26,255	27,787	-37,679	-1,806	--	1,758	547,406	2,726
Finished Aviation Gasoline	--	--	-32	106	761	--	21	--	--	814	231
Kerosene-Type Jet Fuel	--	--	13,949	15,299	89,589	--	-562	--	1,347	118,052	9,588
Kerosene	--	--	597	256	688	--	105	--	14	1,422	2,309
Distillate Fuel Oil ⁶	--	2	50,873	66,161	191,512	--	-21,301	--	5,606	324,243	39,319
15 ppm sulfur and under	--	2	52,122	66,144	185,337	--	-20,194	--	3,008	320,791	36,019
Greater than 15 ppm to 500 ppm sulfur	--	--	195	17	7	--	-530	--	1,911	-1,162	877
Greater than 500 ppm sulfur	--	--	-1,444	--	6,168	--	-577	--	687	4,614	2,423
Residual Fuel Oil	--	--	10,735	9,889	277	--	-2,173	--	3,169	19,905	5,841
Less than 0.31 percent sulfur	--	--	-106	200	--	--	-468	--	NA	NA	459
0.31 to 1.00 percent sulfur	--	--	8,309	2,751	--	--	-1,391	--	NA	NA	959
Greater than 1.00 percent sulfur	--	--	2,532	6,938	277	--	-314	--	NA	NA	4,423
Petrochemical Feedstocks	--	--	--	750	111	--	--	--	--	861	--
Naphtha for Petro. Feed. Use	--	--	--	739	111	--	--	--	--	850	--
Other Oils for Petro. Feed. Use	--	--	--	11	--	--	--	--	--	11	--
Special Naphthas	--	--	126	27	--	--	-9	--	--	162	33
Lubricants	--	--	2,967	1,439	4,564	--	221	--	1,476	7,273	1,364
Waxes	--	--	-142	924	--	--	-12	--	767	27	249
Petroleum Coke	--	--	5,809	78	2,894	--	--	--	5,432	3,349	--
Marketable	--	--	1,987	78	2,894	--	--	--	5,432	-473	--
Catalyst	--	--	3,822	--	--	--	--	--	--	3,822	--
Asphalt and Road Oil	--	--	8,179	7,125	10,283	--	-141	--	738	24,990	5,343
Still Gas	--	--	7,719	--	--	--	--	--	--	7,719	--
Miscellaneous Products	--	--	822	1	--	--	-13	--	139	697	44
Total	193,377	4,649	956,167	465,681	889,721	-3,751	-36,169	945,349	106,441	1,490,223	154,666

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	77	--	--	539	77	-16	-26	704	--	0
Hydrocarbon Gas Liquids	656	0	15	26	62	--	3	54	262	440
Natural Gas Liquids	656	0	0	19	48	--	1	54	262	405
Ethane	255	--	--	--	-166	--	-3	--	72	20
Propane	232	--	14	13	186	--	0	--	160	285
Normal Butane	73	--	-11	6	47	--	3	41	27	43
Isobutane	31	--	-3	--	-9	--	0	4	0	16
Natural Gasoline	66	0	--	--	-11	--	1	10	3	42
Refinery Olefins	--	--	16	8	14	--	2	--	--	35
Ethylene	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	14	8	14	--	1	--	--	34
Normal Butylene	--	--	0	--	--	--	2	--	--	-2
Isobutylene	--	--	1	--	--	--	-1	--	--	2
Other Liquids	--	17	--	701	1,949	257	119	2,811	7	-14
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	17	--	2	272	46	-13	339	6	5
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	17	--	2	272	43	-13	336	6	5
Fuel Ethanol ⁶	--	10	--	--	269	43	-10	326	6	0
Renewable Fuels Except Fuel Ethanol	--	6	--	2	3	--	-3	9	0	5
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	43	-3	--	11	47	1	-19
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	655	1,679	211	121	2,424	0	0
Reformulated	--	--	--	206	219	102	22	504	0	0
Conventional	--	--	--	449	1,461	109	99	1,920	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	3,595	474	1,186	-253	-164	--	69	5,097
Finished Motor Gasoline	--	--	3,193	109	87	-253	-2	--	1	3,137
Reformulated	--	--	1,210	--	--	-73	0	--	--	1,137
Conventional	--	--	1,984	109	87	-180	-2	--	1	2,001
Finished Aviation Gasoline	--	--	0	1	7	--	2	--	--	5
Kerosene-Type Jet Fuel	--	--	67	73	313	--	-8	--	0	459
Kerosene	--	--	6	8	3	--	17	--	0	0
Distillate Fuel Oil ⁶	--	0	182	192	692	--	-116	--	21	1,160
15 ppm sulfur and under	--	0	183	192	675	--	-112	--	11	1,151
Greater than 15 ppm to 500 ppm sulfur	--	--	0	0	0	--	-1	--	6	-5
Greater than 500 ppm sulfur	--	--	-2	--	16	--	-4	--	4	14
Residual Fuel Oil	--	--	46	33	8	--	-31	--	16	101
Less than 0.31 percent sulfur	--	--	0	--	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	35	9	--	--	-13	--	NA	NA
Greater than 1.00 percent sulfur	--	--	11	24	8	--	-16	--	NA	NA
Petrochemical Feedstocks	--	--	--	9	--	--	--	--	--	9
Naphtha for Petro. Feed. Use	--	--	--	9	--	--	--	--	--	9
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	0	--	--	0	--	--	1
Lubricants	--	--	12	5	16	--	2	--	5	27
Waxes	--	--	0	4	--	--	0	--	3	1
Petroleum Coke	--	--	23	--	21	--	--	--	20	24
Marketable	--	--	8	--	21	--	--	--	20	10
Catalyst	--	--	15	--	--	--	--	--	--	15
Asphalt and Road Oil	--	--	33	40	39	--	-29	--	2	139
Still Gas	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products	--	--	3	--	--	--	0	--	1	3
Total	734	16	3,611	1,740	3,274	-12	-68	3,569	338	5,523

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	77	--	--	532	83	-17	-7	664	18	0
Hydrocarbon Gas Liquids	632	0	25	38	68	--	-2	30	291	443
Natural Gas Liquids	632	0	9	29	57	--	-2	30	291	407
Ethane	241	--	--	--	-165	--	-1	--	75	2
Propane	226	--	14	26	192	--	0	--	148	309
Normal Butane	71	--	-1	2	51	--	-1	19	65	39
Isobutane	30	--	-3	1	-10	--	0	4	0	13
Natural Gasoline	64	0	--	--	-11	--	-1	8	3	43
Refinery Olefins	--	--	16	9	12	--	0	--	--	37
Ethylene	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	14	9	12	--	0	--	--	34
Normal Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	17	--	666	1,904	172	-29	2,768	6	15
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	17	--	4	289	26	-5	331	4	6
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	17	--	4	289	23	-5	328	4	6
Fuel Ethanol ⁶	--	11	--	--	284	23	-3	318	3	0
Renewable Fuels Except Fuel Ethanol	--	6	--	4	5	--	-2	10	1	6
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	60	-2	--	4	44	1	9
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	602	1,618	146	-28	2,393	1	0
Reformulated	--	--	--	215	244	42	-24	526	0	0
Conventional	--	--	--	387	1,373	104	-4	1,867	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	3,478	470	1,203	-169	-94	--	75	5,001
Finished Motor Gasoline	--	--	3,105	96	102	-169	-7	--	6	3,134
Reformulated	--	--	1,160	--	--	-31	0	--	--	1,129
Conventional	--	--	1,945	96	102	-138	-7	--	6	2,005
Finished Aviation Gasoline	--	--	0	0	3	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	51	56	328	--	-2	--	5	432
Kerosene	--	--	2	1	3	--	0	--	0	5
Distillate Fuel Oil ⁶	--	0	186	242	702	--	-78	--	21	1,188
15 ppm sulfur and under	--	0	191	242	679	--	-74	--	11	1,175
Greater than 15 ppm to 500 ppm sulfur	--	--	1	0	0	--	-2	--	7	-4
Greater than 500 ppm sulfur	--	--	-5	--	23	--	-2	--	3	17
Residual Fuel Oil	--	--	39	36	1	--	-8	--	12	73
Less than 0.31 percent sulfur	--	--	0	1	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	30	10	--	--	-5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	9	25	1	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	3	0	--	--	--	--	3
Naphtha for Petro. Feed. Use	--	--	--	3	0	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	1
Lubricants	--	--	11	5	17	--	1	--	5	27
Waxes	--	--	-1	3	--	--	0	--	3	0
Petroleum Coke	--	--	21	0	11	--	--	--	20	12
Marketable	--	--	7	0	11	--	--	--	20	-2
Catalyst	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	30	26	38	--	-1	--	3	92
Still Gas	--	--	28	--	--	--	--	--	--	28
Miscellaneous Products	--	--	3	0	--	--	0	--	1	3
Total	708	17	3,502	1,706	3,259	-14	-132	3,463	390	5,459

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	49,876	--	--	80,869	-8,808	-5,039	-3,479	118,360	2,017	0	113,234
Hydrocarbon Gas Liquids	33,478	-616	3,418	1,522	-16,451	--	2,628	2,977	8,669	7,076	59,614
Natural Gas Liquids	33,478	-616	1,961	1,346	-15,284	--	1,923	2,977	8,669	7,315	58,262
Ethane	12,539	--	--	--	-6,395	--	-576	--	2,803	3,917	6,095
Propane	11,215	--	2,193	948	-8,971	--	2,212	--	129	3,044	24,300
Normal Butane	3,814	--	13	279	-3,776	--	-481	528	98	185	15,703
Isobutane	1,942	--	-245	115	367	--	324	1,392	1	462	2,346
Natural Gasoline	3,968	-616	--	4	3,491	--	444	1,057	5,638	-293	9,818
Refinery Olefins	--	--	1,457	176	-1,167	--	705	--	--	-239	1,352
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,441	154	-1,167	--	2	--	--	426	384
Normal Butylene	--	--	16	22	--	--	703	--	--	-665	968
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	29,060	--	582	-13,726	-1,920	-493	12,391	2,208	-110	63,699
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	29,061	--	121	-18,259	-471	-687	9,165	787	1,186	7,877
Hydrogen	--	--	--	--	--	1,159	--	1,159	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	29,061	--	121	-18,259	-1,641	-688	7,996	787	1,186	7,867
Fuel Ethanol	--	26,728	--	--	-17,718	-1,641	-683	7,433	618	0	7,126
Renewable Fuels Except Fuel Ethanol	--	2,333	--	121	-541	--	-5	563	169	1,186	741
Other Hydrocarbons	--	--	--	--	--	11	1	10	--	0	10
Unfinished Oils	--	--	--	7	-195	--	481	-585	1,212	-1,296	13,316
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	454	4,728	-1,449	-287	3,811	209	0	42,506
Reformulated	--	0	--	--	864	246	-759	1,869	--	0	4,554
Conventional	--	--	--	454	3,864	-1,695	472	1,942	209	0	37,952
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	152	137,521	1,053	2,727	3,090	-2,777	--	1,588	145,733	56,936
Finished Motor Gasoline	--	154	76,806	--	122	3,090	214	--	277	79,681	4,382
Reformulated	--	--	10,081	--	--	-176	--	--	--	9,905	--
Conventional	--	154	66,725	--	122	3,266	214	--	277	69,776	4,382
Finished Aviation Gasoline	--	--	29	2	23	--	-23	--	--	77	103
Kerosene-Type Jet Fuel	--	--	7,774	--	1,025	--	-23	--	--	8,822	7,828
Kerosene	--	--	182	--	--	--	77	--	1	104	176
Distillate Fuel Oil	--	-2	34,458	133	3,922	--	-1,792	--	81	40,222	31,058
15 ppm sulfur and under	--	-2	34,385	131	3,862	--	-1,795	--	10	40,162	30,258
Greater than 15 ppm to 500 ppm sulfur	--	--	112	--	60	--	-31	--	2	201	486
Greater than 500 ppm sulfur	--	--	-39	2	--	--	34	--	70	-141	314
Residual Fuel Oil	--	--	1,075	83	-597	--	12	--	110	439	1,098
Less than 0.31 percent sulfur	--	--	88	--	--	--	7	--	NA	NA	79
0.31 to 1.00 percent sulfur	--	--	392	14	-345	--	40	--	NA	NA	244
Greater than 1.00 percent sulfur	--	--	595	69	-252	--	-35	--	NA	NA	775
Petrochemical Feedstocks	--	--	1,086	79	-115	--	-7	--	--	1,057	508
Naphtha for Petro. Feed. Use	--	--	675	38	-93	--	4	--	--	616	409
Other Oils for Petro. Feed. Use	--	--	411	41	-22	--	-11	--	--	441	99
Special Naphthas	--	--	-44	14	9	--	-39	--	--	18	120
Lubricants	--	--	250	193	249	--	51	--	199	442	674
Waxes	--	--	38	17	--	--	-10	--	44	21	41
Petroleum Coke	--	--	6,205	33	-1,116	--	99	--	760	4,263	1,410
Marketable	--	--	4,711	33	-1,116	--	99	--	760	2,769	1,410
Catalyst	--	--	1,494	--	--	--	--	--	--	1,494	--
Asphalt and Road Oil	--	--	4,773	499	-805	--	-1,341	--	112	5,696	9,428
Still Gas	--	--	4,393	--	--	--	--	--	--	4,393	--
Miscellaneous Products	--	--	496	--	10	--	5	--	3	498	109
Total	83,354	28,596	140,939	84,026	-36,258	-3,869	-4,121	133,728	14,482	152,700	293,483

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	444,164	--	--	733,866	-167,995	4,082	-33,925	1,018,435	29,606	0	113,234
Hydrocarbon Gas Liquids	285,771	-5,539	38,155	19,602	-175,651	--	12,464	22,308	79,687	47,878	59,614
Natural Gas Liquids	285,771	-5,539	25,540	17,516	-167,096	--	11,539	22,308	79,687	42,657	58,262
Ethane	104,851	--	--	--	-51,193	--	280	--	24,187	29,191	6,095
Propane	98,225	--	19,769	11,975	-103,403	--	4,319	--	1,352	20,895	24,300
Normal Butane	33,167	--	6,999	3,815	-40,115	--	7,790	3,667	1,146	-8,737	15,703
Isobutane	17,085	--	-1,228	1,673	-733	--	457	12,728	18	3,594	2,346
Natural Gasoline	32,443	-5,539	--	53	28,348	--	-1,307	5,913	52,985	-2,287	9,818
Refinery Olefins	--	--	12,615	2,086	-8,555	--	925	--	--	5,221	1,352
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	12,122	1,565	-8,555	--	3	--	--	5,129	384
Normal Butylene	--	--	493	501	--	--	922	--	--	72	968
Isobutylene	--	--	--	20	--	--	0	--	--	20	0
Other Liquids	--	270,156	--	3,683	-117,296	-6,168	-2,163	134,514	21,768	-3,745	63,699
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	270,157	--	817	-172,769	-3,908	-2,949	79,801	6,735	10,710	7,877
Hydrogen	--	--	--	--	--	10,157	--	10,157	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	270,157	--	817	-172,769	-14,200	-2,946	69,506	6,735	10,710	7,867
Fuel Ethanol	--	247,276	--	--	-165,472	-14,200	-2,608	65,392	4,821	0	7,126
Renewable Fuels Except Fuel Ethanol	--	22,880	--	817	-7,297	--	-337	4,114	1,914	10,710	741
Other Hydrocarbons	--	--	--	--	--	135	-3	138	--	0	10
Unfinished Oils	--	--	--	40	-1,795	--	1,802	-3,313	14,211	-14,455	13,316
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	2,826	57,268	-2,260	-1,016	58,026	823	0	42,506
Reformulated	--	-1	--	--	19,584	-4,453	-625	15,754	1	0	4,554
Conventional	--	0	--	2,826	37,684	2,193	-391	42,272	822	0	37,952
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1,171	1,198,644	13,363	28,894	16,460	1,181	--	10,749	1,246,603	56,936
Finished Motor Gasoline	--	1,169	676,102	100	4,521	16,460	-2,974	--	2,227	699,099	4,382
Reformulated	--	--	89,899	--	--	6,374	--	--	--	96,273	--
Conventional	--	1,169	586,203	100	4,521	10,086	-2,974	--	2,227	602,826	4,382
Finished Aviation Gasoline	--	--	152	36	205	--	-78	--	--	471	103
Kerosene-Type Jet Fuel	--	--	65,293	37	7,892	--	1,286	--	122	71,814	7,828
Kerosene	--	0	1,155	--	19	--	-22	--	5	1,191	176
Distillate Fuel Oil	--	2	297,132	1,928	36,360	--	3,034	--	887	331,500	31,058
15 ppm sulfur and under	--	2	297,133	1,903	35,601	--	2,832	--	129	331,677	30,258
Greater than 15 ppm to 500 ppm sulfur	--	0	840	10	759	--	184	--	137	1,288	486
Greater than 500 ppm sulfur	--	0	-841	15	--	--	18	--	621	-1,465	314
Residual Fuel Oil	--	--	9,423	1,523	-5,076	--	-31	--	1,326	4,575	1,098
Less than 0.31 percent sulfur	--	--	684	--	--	--	6	--	NA	NA	79
0.31 to 1.00 percent sulfur	--	--	3,004	587	-2,529	--	8	--	NA	NA	244
Greater than 1.00 percent sulfur	--	--	5,735	936	-2,547	--	-45	--	NA	NA	775
Petrochemical Feedstocks	--	--	8,537	1,200	-826	--	-96	--	--	9,007	508
Naphtha for Petro. Feed. Use	--	--	5,193	639	-710	--	-73	--	--	5,195	409
Other Oils for Petro. Feed. Use	--	--	3,344	561	-116	--	-23	--	--	3,812	99
Special Naphthas	--	--	-131	71	229	--	-31	--	--	200	120
Lubricants	--	--	1,825	1,893	1,892	--	43	--	1,803	3,764	674
Waxes	--	--	308	156	--	--	1	--	328	135	41
Petroleum Coke	--	--	49,872	268	-7,348	--	-225	--	3,096	39,921	1,410
Marketable	--	--	36,931	268	-7,348	--	-225	--	3,096	26,980	1,410
Catalyst	--	--	12,941	--	--	--	--	--	--	12,941	--
Asphalt and Road Oil	--	--	46,885	6,151	-9,034	--	271	--	937	42,794	9,428
Still Gas	--	--	37,925	--	--	--	--	--	--	37,925	--
Miscellaneous Products	--	--	4,166	--	60	--	2	--	17	4,207	109
Total	729,935	265,787	1,236,799	770,514	-432,048	14,374	-22,443	1,175,257	141,810	1,290,737	293,483

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,663	--	--	2,696	-294	-168	-116	3,945	67	0
Hydrocarbon Gas Liquids	1,116	-21	114	51	-548	--	88	99	289	236
Natural Gas Liquids	1,116	-21	65	45	-509	--	64	99	289	244
Ethane	418	--	--	--	-213	--	-19	--	93	131
Propane	374	--	73	32	-299	--	74	--	4	101
Normal Butane	127	--	0	9	-126	--	-16	18	3	6
Isobutane	65	--	-8	4	12	--	11	46	0	15
Natural Gasoline	132	-21	--	0	116	--	15	35	188	-10
Refinery Olefins	--	--	49	6	-39	--	24	--	--	-8
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	48	5	-39	--	0	--	--	14
Normal Butylene	--	--	1	1	--	--	23	--	--	-22
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	969	--	19	-458	-64	-16	413	74	-4
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	969	--	4	-609	-16	-23	306	26	40
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	969	--	4	-609	-55	-23	267	26	40
Fuel Ethanol	--	891	--	--	-591	-55	-23	248	21	0
Renewable Fuels Except Fuel Ethanol	--	78	--	4	-18	--	0	19	6	40
Other Hydrocarbons	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	--	--	0	-7	--	16	-20	40	-43
Motor Gasoline Blend Comp. (MGBC)	--	0	--	15	158	-48	-10	127	7	0
Reformulated	--	0	--	--	29	8	-25	62	--	0
Conventional	--	--	--	15	129	-56	16	65	7	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	5	4,584	35	91	103	-93	--	53	4,858
Finished Motor Gasoline	--	5	2,560	--	4	103	7	--	9	2,656
Reformulated	--	--	336	--	--	-6	--	--	--	330
Conventional	--	5	2,224	--	4	109	7	--	9	2,326
Finished Aviation Gasoline	--	--	1	0	1	--	-1	--	--	3
Kerosene-Type Jet Fuel	--	--	259	--	34	--	-1	--	--	294
Kerosene	--	--	6	--	--	--	3	--	0	3
Distillate Fuel Oil	--	0	1,149	4	131	--	-60	--	3	1,341
15 ppm sulfur and under	--	0	1,146	4	129	--	-60	--	0	1,339
Greater than 15 ppm to 500 ppm sulfur	--	--	4	--	2	--	-1	--	0	7
Greater than 500 ppm sulfur	--	--	-1	0	--	--	1	--	2	-5
Residual Fuel Oil	--	--	36	3	-20	--	0	--	4	15
Less than 0.31 percent sulfur	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	13	0	-12	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	2	-8	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	36	3	-4	--	0	--	--	35
Naphtha for Petro. Feed. Use	--	--	23	1	-3	--	0	--	--	21
Other Oils for Petro. Feed. Use	--	--	14	1	-1	--	0	--	--	15
Special Naphthas	--	--	-1	0	0	--	-1	--	--	1
Lubricants	--	--	8	6	8	--	2	--	7	15
Waxes	--	--	1	1	--	--	0	--	1	1
Petroleum Coke	--	--	207	1	-37	--	3	--	25	142
Marketable	--	--	157	1	-37	--	3	--	25	92
Catalyst	--	--	50	--	--	--	--	--	--	50
Asphalt and Road Oil	--	--	159	17	-27	--	-45	--	4	190
Still Gas	--	--	146	--	--	--	--	--	--	146
Miscellaneous Products	--	--	17	--	0	--	0	--	0	17
Total	2,778	953	4,698	2,801	-1,209	-129	-137	4,458	483	5,090

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,627	--	--	2,688	-615	15	-124	3,731	108	0
Hydrocarbon Gas Liquids	1,047	-20	140	72	-643	--	46	82	292	175
Natural Gas Liquids	1,047	-20	94	64	-612	--	42	82	292	156
Ethane	384	--	--	--	-188	--	1	--	89	107
Propane	360	--	72	44	-379	--	16	--	5	77
Normal Butane	121	--	26	14	-147	--	29	13	4	-32
Isobutane	63	--	-4	6	-3	--	2	47	0	13
Natural Gasoline	119	-20	--	0	104	--	-5	22	194	-8
Refinery Olefins	--	--	46	8	-31	--	3	--	--	19
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	44	6	-31	--	0	--	--	19
Normal Butylene	--	--	2	2	--	--	3	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	990	--	13	-430	-23	-8	493	80	-14
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	990	--	3	-633	-14	-11	292	25	39
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	990	--	3	-633	-52	-11	255	25	39
Fuel Ethanol	--	906	--	--	-606	-52	-10	240	18	0
Renewable Fuels Except Fuel Ethanol	--	84	--	3	-27	--	-1	15	7	39
Other Hydrocarbons	--	--	--	--	--	0	0	1	--	0
Unfinished Oils	--	--	--	0	-7	--	7	-12	52	-53
Motor Gasoline Blend Comp. (MGBC)	--	0	--	10	210	-8	-4	213	3	0
Reformulated	--	0	--	--	72	-16	-2	58	0	0
Conventional	--	0	--	10	138	8	-1	155	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	4	4,391	49	106	60	4	--	39	4,566
Finished Motor Gasoline	--	4	2,477	0	17	60	-11	--	8	2,561
Reformulated	--	--	329	--	--	23	--	--	--	353
Conventional	--	4	2,147	0	17	37	-11	--	8	2,208
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	239	0	29	--	5	--	0	263
Kerosene	--	0	4	--	0	--	0	--	0	4
Distillate Fuel Oil	--	0	1,088	7	133	--	11	--	3	1,214
15 ppm sulfur and under	--	0	1,088	7	130	--	10	--	0	1,215
Greater than 15 ppm to 500 ppm sulfur	--	0	3	0	3	--	1	--	1	5
Greater than 500 ppm sulfur	--	0	-3	0	--	--	0	--	2	-5
Residual Fuel Oil	--	--	35	6	-19	--	0	--	5	17
Less than 0.31 percent sulfur	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	11	2	-9	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	21	3	-9	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	31	4	-3	--	0	--	--	33
Naphtha for Petro. Feed. Use	--	--	19	2	-3	--	0	--	--	19
Other Oils for Petro. Feed. Use	--	--	12	2	0	--	0	--	--	14
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	7	7	7	--	0	--	7	14
Waxes	--	--	1	1	--	--	0	--	1	0
Petroleum Coke	--	--	183	1	-27	--	-1	--	11	146
Marketable	--	--	135	1	-27	--	-1	--	11	99
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	172	23	-33	--	1	--	3	157
Still Gas	--	--	139	--	--	--	--	--	--	139
Miscellaneous Products	--	--	15	--	0	--	0	--	0	15
Total	2,674	974	4,530	2,822	-1,583	53	-82	4,305	519	4,728

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	224,580	--	--	46,494	20,475	17,165	-1,516	232,251	77,979	0	845,786
Hydrocarbon Gas Liquids	95,617	-11	12,199	--	27,536	--	2,605	8,901	46,676	77,159	141,346
Natural Gas Liquids	95,617	-11	6,085	--	26,781	--	2,617	8,901	46,676	70,278	140,036
Ethane	40,964	--	166	--	15,709	--	1,326	--	5,911	49,602	55,562
Propane	28,922	--	3,877	--	7,677	--	1	--	32,222	8,253	31,159
Normal Butane	6,421	--	2,222	--	3,818	--	2,330	2,704	8,428	-1,001	34,693
Isobutane	8,935	--	-180	--	803	--	-144	3,164	80	6,458	7,200
Natural Gasoline	10,375	-11	--	--	-1,226	--	-896	3,033	34	6,967	11,422
Refinery Olefins	--	--	6,114	--	755	--	-12	--	--	6,881	1,310
Ethylene	--	--	3	--	--	--	0	--	--	3	0
Propylene	--	--	6,304	--	755	--	143	--	--	6,916	775
Normal Butylene	--	--	-142	--	--	--	-151	--	--	9	511
Isobutylene	--	--	-51	--	--	--	-4	--	--	-47	24
Other Liquids	--	1,498	--	14,633	-55,198	4,740	-20	-47,816	11,835	1,674	129,598
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,498	--	132	4,867	3,760	237	8,341	802	878	4,553
Hydrogen	--	--	--	--	--	3,615	--	3,615	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,498	--	128	4,867	149	237	4,726	802	878	4,553
Fuel Ethanol	--	532	--	--	4,721	149	165	4,474	764	0	3,327
Renewable Fuels Except Fuel Ethanol	--	966	--	128	146	--	72	252	38	878	1,226
Other Hydrocarbons	--	--	--	4	--	-4	--	--	--	0	--
Unfinished Oils	--	--	--	12,885	289	--	2,605	586	9,177	806	50,414
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,616	-60,354	980	-2,861	-56,754	1,857	0	74,610
Reformulated	--	--	--	--	-9,048	5,544	501	-4,005	0	0	11,782
Conventional	--	--	--	1,616	-51,306	-4,564	-3,362	-52,749	1,857	0	62,828
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-1	11	--	-10	21
Finished Petroleum Products	--	11	194,772	5,593	-39,940	-1,129	-1,862	--	64,519	96,651	105,456
Finished Motor Gasoline	--	0	62,439	--	-2,470	-1,129	21	--	21,117	37,702	8,312
Reformulated	--	--	13,373	--	--	-5,127	--	--	--	8,246	--
Conventional	--	0	49,066	--	-2,470	3,999	21	--	21,117	29,456	8,312
Finished Aviation Gasoline	--	--	291	--	-224	--	-68	--	--	135	420
Kerosene-Type Jet Fuel	--	--	18,873	--	-11,200	--	-1,594	--	2,452	6,815	13,683
Kerosene	--	--	232	--	-101	--	-8	--	241	-102	158
Distillate Fuel Oil	--	11	74,954	--	-26,035	--	-948	--	25,277	24,602	45,415
15 ppm sulfur and under	--	12	71,007	--	-25,486	--	-1,022	--	21,646	24,909	39,331
Greater than 15 ppm to 500 ppm sulfur	--	0	914	--	-61	--	120	--	919	-186	1,415
Greater than 500 ppm sulfur	--	--	3,033	--	-488	--	-46	--	2,712	-121	4,669
Residual Fuel Oil	--	--	426	3,988	369	--	508	--	1,808	2,467	15,762
Less than 0.31 percent sulfur	--	--	782	--	--	--	-220	--	NA	NA	1,322
0.31 to 1.00 percent sulfur	--	--	556	149	345	--	177	--	NA	NA	4,811
Greater than 1.00 percent sulfur	--	--	-912	3,839	24	--	551	--	NA	NA	9,629
Petrochemical Feedstocks	--	--	7,624	271	115	--	70	--	--	7,940	2,452
Naphtha for Petro. Feed. Use	--	--	4,732	252	93	--	-1	--	--	5,078	1,804
Other Oils for Petro. Feed. Use	--	--	2,892	19	22	--	71	--	--	2,862	648
Special Naphthas	--	--	906	453	-9	--	25	--	--	1,325	894
Lubricants	--	--	4,308	661	-734	--	493	--	2,552	1,190	8,644
Waxes	--	--	118	45	--	--	-39	--	17	185	201
Petroleum Coke	--	--	11,700	175	682	--	-21	--	10,715	1,863	4,474
Marketable	--	--	8,943	175	682	--	-21	--	10,715	-894	4,474
Catalyst	--	--	2,757	--	--	--	--	--	--	2,757	--
Asphalt and Road Oil	--	--	2,119	--	-323	--	-239	--	319	1,716	4,691
Still Gas	--	--	9,393	--	--	--	--	--	--	9,393	--
Miscellaneous Products	--	--	1,389	--	-10	--	-62	--	19	1,422	350
Total	320,197	1,499	206,971	66,720	-47,127	20,776	-793	193,336	201,009	175,484	1,222,186

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	2,116,618	--	--	351,255	261,140	150,042	-51,138	2,176,146	754,047	0	845,786
Hydrocarbon Gas Liquids	825,519	-98	124,823	54	242,102	--	-17,592	76,659	455,693	677,639	141,346
Natural Gas Liquids	825,519	-98	65,557	--	236,738	--	-17,589	76,659	455,693	612,952	140,036
Ethane	354,212	--	1,029	--	130,052	--	-6,153	--	59,620	431,826	55,562
Propane	253,296	--	40,592	--	76,305	--	-6,174	--	305,296	71,071	31,159
Normal Butane	56,408	--	24,663	--	34,517	--	6,015	21,719	89,356	-1,502	34,693
Isobutane	76,994	--	-727	--	9,377	--	-2,225	31,449	786	55,634	7,200
Natural Gasoline	84,609	-98	--	--	-13,513	--	-9,052	23,491	635	55,924	11,422
Refinery Olefins	--	--	59,266	54	5,364	--	-3	--	--	64,687	1,310
Ethylene	--	--	48	--	--	--	0	--	--	48	--
Propylene	--	--	61,554	--	5,364	--	-175	--	--	67,093	775
Normal Butylene	--	--	-1,910	54	--	--	148	--	--	-2,004	511
Isobutylene	--	--	-426	--	--	--	24	--	--	-450	24
Other Liquids	--	16,240	--	147,036	-497,980	52,694	5,020	-425,522	119,784	18,709	129,598
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	16,240	--	286	46,101	33,402	-874	74,073	14,028	8,803	4,553
Hydrogen	--	--	--	--	--	31,710	--	31,710	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	16,240	--	232	46,101	1,746	-874	42,363	14,028	8,803	4,553
Fuel Ethanol	--	4,696	--	--	45,450	1,746	-989	39,534	13,347	0	3,327
Renewable Fuels Except Fuel Ethanol	--	11,544	--	232	652	--	115	2,829	681	8,803	1,226
Other Hydrocarbons	--	--	--	54	--	-54	--	--	--	0	--
Unfinished Oils	--	--	--	124,227	2,384	--	6,750	22,929	86,909	10,023	50,414
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	22,523	-546,465	19,292	-846	-522,651	18,847	0	74,610
Reformulated	--	--	--	307	-103,554	46,527	946	-57,697	31	0	11,782
Conventional	--	--	--	22,216	-442,911	-27,235	-1,792	-464,954	18,816	0	62,828
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-10	127	--	-117	21
Finished Petroleum Products	--	57	1,834,318	52,552	-375,030	-21,038	-5,476	--	634,209	862,127	105,456
Finished Motor Gasoline	--	0	581,010	1,314	-30,298	-21,038	55	--	201,609	329,324	8,312
Reformulated	--	--	117,050	--	--	-43,762	--	--	--	73,288	--
Conventional	--	0	463,960	1,314	-30,298	22,724	55	--	201,609	256,037	8,312
Finished Aviation Gasoline	--	--	2,340	174	-966	--	-3	--	--	1,551	420
Kerosene-Type Jet Fuel	--	--	172,475	--	-104,871	--	1,259	--	18,891	47,454	13,683
Kerosene	--	--	552	--	-707	--	-85	--	846	-916	158
Distillate Fuel Oil	--	57	715,024	1,486	-241,630	--	-7,690	--	265,182	217,446	45,415
15 ppm sulfur and under	--	57	663,128	1,086	-234,696	--	-8,100	--	227,828	209,848	39,331
Greater than 15 ppm to 500 ppm sulfur	--	0	24,419	--	-766	--	83	--	16,883	6,687	1,415
Greater than 500 ppm sulfur	--	--	27,477	400	-6,168	--	327	--	20,471	911	4,669
Residual Fuel Oil	--	--	10,854	31,578	4,799	--	-405	--	18,633	29,003	15,762
Less than 0.31 percent sulfur	--	--	5,150	1,566	--	--	111	--	NA	NA	1,322
0.31 to 1.00 percent sulfur	--	--	5,590	1,619	2,529	--	1,001	--	NA	NA	4,811
Greater than 1.00 percent sulfur	--	--	114	28,393	2,270	--	-1,517	--	NA	NA	9,629
Petrochemical Feedstocks	--	--	66,248	3,028	715	--	170	--	--	69,821	2,452
Naphtha for Petro. Feed. Use	--	--	42,207	2,643	599	--	212	--	--	45,237	1,804
Other Oils for Petro. Feed. Use	--	--	24,041	385	116	--	-42	--	--	24,584	648
Special Naphthas	--	--	8,243	2,859	-229	--	75	--	--	10,798	894
Lubricants	--	--	36,214	9,205	-5,970	--	1,612	--	22,099	15,738	8,644
Waxes	--	--	982	410	--	--	-53	--	216	1,229	201
Petroleum Coke	--	--	111,848	2,400	5,966	--	-182	--	102,937	17,459	4,474
Marketable	--	--	85,174	2,400	5,966	--	-182	--	102,937	-9,215	4,474
Catalyst	--	--	26,674	--	--	--	--	--	--	26,674	--
Asphalt and Road Oil	--	--	21,538	98	-1,779	--	-276	--	3,649	16,485	4,691
Still Gas	--	--	93,821	--	--	--	--	--	--	93,821	--
Miscellaneous Products	--	--	13,169	--	-60	--	47	--	147	12,915	350
Total	2,942,137	16,199	1,959,141	550,897	-369,768	181,698	-69,186	1,827,283	1,963,733	1,558,475	1,222,186

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	7,486	--	--	1,550	682	572	-51	7,742	2,599	0
Hydrocarbon Gas Liquids	3,187	0	407	--	918	--	87	297	1,556	2,572
Natural Gas Liquids	3,187	0	203	--	893	--	87	297	1,556	2,343
Ethane	1,365	--	6	--	524	--	44	--	197	1,653
Propane	964	--	129	--	256	--	0	--	1,074	275
Normal Butane	214	--	74	--	127	--	78	90	281	-33
Isobutane	298	--	-6	--	27	--	-5	105	3	215
Natural Gasoline	346	0	--	--	-41	--	-30	101	1	232
Refinery Olefins	--	--	204	--	25	--	0	--	--	229
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	210	--	25	--	5	--	--	231
Normal Butylene	--	--	-5	--	--	--	-5	--	--	0
Isobutylene	--	--	-2	--	--	--	0	--	--	-2
Other Liquids	--	50	--	488	-1,840	158	-1	-1,594	395	56
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	50	--	4	162	125	8	278	27	29
Hydrogen	--	--	--	--	--	121	--	121	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	50	--	4	162	5	8	158	27	29
Fuel Ethanol	--	18	--	--	157	5	5	149	25	0
Renewable Fuels Except Fuel Ethanol	--	32	--	4	5	--	2	8	1	29
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	430	10	--	87	20	306	27
Motor Gasoline Blend Comp. (MGBC)	--	--	--	54	-2,012	33	-95	-1,892	62	0
Reformulated	--	--	--	--	-302	185	17	-134	0	0
Conventional	--	--	--	54	-1,710	-152	-112	-1,758	62	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	0	6,492	186	-1,331	-38	-62	--	2,151	3,222
Finished Motor Gasoline	--	0	2,081	--	-82	-38	1	--	704	1,257
Reformulated	--	--	446	--	--	-171	--	--	--	275
Conventional	--	0	1,636	--	-82	133	1	--	704	982
Finished Aviation Gasoline	--	--	10	--	-7	--	-2	--	--	5
Kerosene-Type Jet Fuel	--	--	629	--	-373	--	-53	--	82	227
Kerosene	--	--	8	--	-3	--	0	--	8	-3
Distillate Fuel Oil	--	0	2,498	--	-868	--	-32	--	843	820
15 ppm sulfur and under	--	0	2,367	--	-850	--	-34	--	722	830
Greater than 15 ppm to 500 ppm sulfur	--	0	30	--	-2	--	4	--	31	-6
Greater than 500 ppm sulfur	--	--	101	--	-16	--	-2	--	90	-4
Residual Fuel Oil	--	--	14	133	12	--	17	--	60	82
Less than 0.31 percent sulfur	--	--	26	--	--	--	-7	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	19	5	12	--	6	--	NA	NA
Greater than 1.00 percent sulfur	--	--	-30	128	1	--	18	--	NA	NA
Petrochemical Feedstocks	--	--	254	9	4	--	2	--	--	265
Naphtha for Petro. Feed. Use	--	--	158	8	3	--	0	--	--	169
Other Oils for Petro. Feed. Use	--	--	96	1	1	--	2	--	--	95
Special Naphthas	--	--	30	15	0	--	1	--	--	44
Lubricants	--	--	144	22	-24	--	16	--	85	40
Waxes	--	--	4	2	--	--	-1	--	1	6
Petroleum Coke	--	--	390	6	23	--	-1	--	357	62
Marketable	--	--	298	6	23	--	-1	--	357	-30
Catalyst	--	--	92	--	--	--	--	--	--	92
Asphalt and Road Oil	--	--	71	--	-11	--	-8	--	11	57
Still Gas	--	--	313	--	--	--	--	--	--	313
Miscellaneous Products	--	--	46	--	0	--	-2	--	1	47
Total	10,673	50	6,899	2,224	-1,571	693	-26	6,445	6,700	5,849

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	7,753	--	--	1,287	957	550	-187	7,971	2,762	0
Hydrocarbon Gas Liquids	3,024	0	457	0	887	--	-64	281	1,669	2,482
Natural Gas Liquids	3,024	0	240	--	867	--	-64	281	1,669	2,245
Ethane	1,297	--	4	--	476	--	-23	--	218	1,582
Propane	928	--	149	--	280	--	-23	--	1,118	260
Normal Butane	207	--	90	--	126	--	22	80	327	-6
Isobutane	282	--	-3	--	34	--	-8	115	3	204
Natural Gasoline	310	0	--	--	-49	--	-33	86	2	205
Refinery Olefins	--	--	217	0	20	--	0	--	--	237
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	225	--	20	--	-1	--	--	246
Normal Butylene	--	--	-7	0	--	--	1	--	--	-7
Isobutylene	--	--	-2	--	--	--	0	--	--	-2
Other Liquids	--	59	--	539	-1,824	193	18	-1,559	439	69
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	59	--	1	169	122	-3	271	51	32
Hydrogen	--	--	--	--	--	116	--	116	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	59	--	1	169	6	-3	155	51	32
Fuel Ethanol	--	17	--	--	166	6	-4	145	49	0
Renewable Fuels Except Fuel Ethanol	--	42	--	1	2	--	0	10	2	32
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	455	9	--	25	84	318	37
Motor Gasoline Blend Comp. (MGBC)	--	--	--	83	-2,002	71	-3	-1,914	69	0
Reformulated	--	--	--	1	-379	170	3	-211	0	0
Conventional	--	--	--	81	-1,622	-100	-7	-1,703	69	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	0	6,719	192	-1,374	-77	-20	--	2,323	3,158
Finished Motor Gasoline	--	0	2,128	5	-111	-77	0	--	738	1,206
Reformulated	--	--	429	--	--	-160	--	--	--	268
Conventional	--	0	1,699	5	-111	83	0	--	738	938
Finished Aviation Gasoline	--	--	9	1	-4	--	0	--	--	6
Kerosene-Type Jet Fuel	--	--	632	--	-384	--	5	--	69	174
Kerosene	--	--	2	--	-3	--	0	--	3	-3
Distillate Fuel Oil	--	0	2,619	5	-885	--	-28	--	971	797
15 ppm sulfur and under	--	0	2,429	4	-860	--	-30	--	835	769
Greater than 15 ppm to 500 ppm sulfur	--	0	89	--	-3	--	0	--	62	24
Greater than 500 ppm sulfur	--	--	101	1	-23	--	1	--	75	3
Residual Fuel Oil	--	--	40	116	18	--	-1	--	68	106
Less than 0.31 percent sulfur	--	--	19	6	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	6	9	--	4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	0	104	8	--	-6	--	NA	NA
Petrochemical Feedstocks	--	--	243	11	3	--	1	--	--	256
Naphtha for Petro. Feed. Use	--	--	155	10	2	--	1	--	--	166
Other Oils for Petro. Feed. Use	--	--	88	1	0	--	0	--	--	90
Special Naphthas	--	--	30	10	-1	--	0	--	--	40
Lubricants	--	--	133	34	-22	--	6	--	81	58
Waxes	--	--	4	2	--	--	0	--	1	5
Petroleum Coke	--	--	410	9	22	--	-1	--	377	64
Marketable	--	--	312	9	22	--	-1	--	377	-34
Catalyst	--	--	98	--	--	--	--	--	--	98
Asphalt and Road Oil	--	--	79	0	-7	--	-1	--	13	60
Still Gas	--	--	344	--	--	--	--	--	--	344
Miscellaneous Products	--	--	48	--	0	--	0	--	1	47
Total	10,777	59	7,176	2,018	-1,354	666	-253	6,693	7,193	5,709

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	23,626	--	--	12,824	-17,064	-1,912	-688	18,162	--	0	23,216
Hydrocarbon Gas Liquids	15,515	-7	387	377	-13,796	--	322	486	68	1,599	8,259
Natural Gas Liquids	15,515	-7	338	377	-13,796	--	368	486	68	1,504	8,149
Ethane	4,344	--	--	--	-4,340	--	69	--	--	-65	1,410
Propane	5,579	--	255	349	-4,634	--	58	--	--	1,491	2,676
Normal Butane	2,190	--	83	26	-1,828	--	244	193	11	23	2,958
Isobutane	1,030	--	0	2	-1,044	--	1	160	--	-173	409
Natural Gasoline	2,372	-7	--	--	-1,950	--	-4	133	57	229	696
Refinery Olefins	--	--	49	--	--	--	-46	--	--	95	110
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	44	--	--	--	-1	--	--	45	3
Normal Butylene	--	--	5	--	--	--	-45	--	--	50	107
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	580	--	209	1,898	-101	805	1,336	10	435	9,871
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	580	--	7	494	316	-64	1,192	10	259	485
Hydrogen	--	--	--	--	--	202	--	202	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	580	--	7	494	114	-64	990	10	259	485
Fuel Ethanol	--	288	--	--	462	114	-36	901	--	0	391
Renewable Fuels Except Fuel Ethanol	--	292	--	7	31	--	-28	89	10	259	94
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	146	--	--	72	-102	0	176	2,938
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	56	1,404	-417	797	246	0	0	6,448
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	56	1,404	-417	797	246	0	0	6,448
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	20,351	294	-1,009	303	-99	--	14	20,024	7,400
Finished Motor Gasoline	--	--	10,330	--	-401	303	129	--	1	10,102	1,196
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	10,330	--	-401	303	129	--	1	10,102	1,196
Finished Aviation Gasoline	--	--	6	--	--	--	-2	--	--	8	7
Kerosene-Type Jet Fuel	--	--	1,145	--	516	--	34	--	--	1,627	849
Kerosene	--	--	2	--	--	--	2	--	--	0	2
Distillate Fuel Oil	--	0	5,856	240	67	--	-112	--	0	6,275	3,478
15 ppm sulfur and under	--	0	5,789	240	67	--	-90	--	0	6,186	3,296
Greater than 15 ppm to 500 ppm sulfur	--	--	59	--	--	--	-30	--	--	89	114
Greater than 500 ppm sulfur	--	--	8	--	--	--	8	--	--	0	68
Residual Fuel Oil	--	--	335	--	--	--	-22	--	3	354	197
Less than 0.31 percent sulfur	--	--	192	--	--	--	-2	--	NA	NA	26
0.31 to 1.00 percent sulfur	--	--	37	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	106	--	--	--	-20	--	NA	NA	167
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	6	-6	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	678	--	-619	--	71	--	--	-12	238
Marketable	--	--	451	--	-619	--	71	--	--	-239	238
Catalyst	--	--	227	--	--	--	--	--	--	227	--
Asphalt and Road Oil	--	--	1,175	53	-572	--	-200	--	3	853	1,416
Still Gas	--	--	710	--	--	--	--	--	--	710	--
Miscellaneous Products	--	--	114	1	--	--	1	--	--	114	17
Total	39,141	572	20,738	13,704	-29,971	-1,710	340	19,984	92	22,058	48,746

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	209,180	--	--	110,664	-150,674	-14,744	-1,012	155,437	--	0	23,216
Hydrocarbon Gas Liquids	142,322	-62	3,173	3,836	-92,102	--	1,767	3,945	774	50,681	8,259
Natural Gas Liquids	142,322	-62	2,281	3,836	-92,102	--	1,830	3,945	774	49,726	8,149
Ethane	43,269	--	--	--	-33,929	--	478	--	1	8,861	1,410
Propane	50,030	--	2,098	3,154	-28,436	--	-141	--	17	26,970	2,676
Normal Butane	19,104	--	276	616	-11,003	--	1,596	1,402	61	5,934	2,958
Isobutane	9,591	--	-93	66	-6,830	--	-27	1,384	0	1,377	409
Natural Gasoline	20,328	-62	--	--	-11,904	--	-76	1,159	696	6,583	696
Refinery Olefins	--	--	892	--	--	--	-63	--	--	955	110
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	330	--	--	--	3	--	--	327	3
Normal Butylene	--	--	562	--	--	--	-66	--	--	628	107
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	4,553	--	987	11,385	-4,525	237	9,200	144	2,820	9,871
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	4,553	--	275	4,214	3,252	58	10,403	140	1,694	485
Hydrogen	--	--	--	--	--	1,743	--	1,743	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	4,553	--	275	4,214	1,509	58	8,660	140	1,694	485
Fuel Ethanol	--	2,528	--	--	3,987	1,509	-25	7,994	56	0	391
Renewable Fuels Except Fuel Ethanol	--	2,025	--	275	227	--	83	666	84	1,694	94
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	289	--	--	250	-1,088	1	1,126	2,938
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	423	7,171	-7,778	-71	-115	2	0	6,448
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	423	7,171	-7,778	-71	-115	2	0	6,448
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-2	171,195	2,536	-4,522	6,268	-1,149	--	203	176,421	7,400
Finished Motor Gasoline	--	--	85,319	--	-3,367	6,268	-942	--	13	89,150	1,196
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	85,319	--	-3,367	6,268	-942	--	13	89,150	1,196
Finished Aviation Gasoline	--	--	51	33	--	--	0	--	--	84	7
Kerosene-Type Jet Fuel	--	--	9,058	448	5,038	--	283	--	--	14,261	849
Kerosene	--	--	2	--	--	--	0	--	--	2	2
Distillate Fuel Oil	--	-2	51,016	1,530	1,120	--	-637	--	0	54,300	3,478
15 ppm sulfur and under	--	-2	50,488	1,530	1,124	--	-628	--	0	53,768	3,296
Greater than 15 ppm to 500 ppm sulfur	--	--	513	--	-4	--	-39	--	0	548	114
Greater than 500 ppm sulfur	--	--	15	--	--	--	30	--	--	-15	68
Residual Fuel Oil	--	--	3,080	--	--	--	18	--	66	2,996	197
Less than 0.31 percent sulfur	--	--	1,621	--	--	--	3	--	NA	NA	26
0.31 to 1.00 percent sulfur	--	--	223	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	1,236	--	--	--	15	--	NA	NA	167
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	105	-105	--
Waxes	--	--	--	--	--	--	--	--	2	-2	--
Petroleum Coke	--	--	5,803	--	-2,758	--	42	--	0	3,003	238
Marketable	--	--	3,884	--	-2,758	--	42	--	0	1,084	238
Catalyst	--	--	1,919	--	--	--	--	--	--	1,919	--
Asphalt and Road Oil	--	--	10,056	516	-4,555	--	86	--	17	5,913	1,416
Still Gas	--	--	5,843	--	--	--	--	--	--	5,843	--
Miscellaneous Products	--	--	967	9	--	--	1	--	--	975	17
Total	351,502	4,489	174,368	118,023	-235,913	-13,001	-157	168,582	1,120	229,922	48,746

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	788	--	--	427	-569	-64	-23	605	-	0
Hydrocarbon Gas Liquids	517	0	13	13	-460	--	11	16	2	53
Natural Gas Liquids	517	0	11	13	-460	--	12	16	2	50
Ethane	145	--	--	--	-145	--	2	--	--	-2
Propane	186	--	9	12	-154	--	2	--	--	50
Normal Butane	73	--	3	1	-61	--	8	6	0	1
Isobutane	34	--	0	0	-35	--	0	5	--	-6
Natural Gasoline	79	0	--	--	-65	--	0	4	2	8
Refinery Olefins	--	--	2	--	--	--	-2	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	2
Normal Butylene	--	--	0	--	--	--	-2	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	19	--	7	63	-3	27	45	0	14
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	19	--	0	16	11	-2	40	0	9
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	19	--	0	16	4	-2	33	0	9
Fuel Ethanol	--	10	--	--	15	4	-1	30	--	0
Renewable Fuels Except Fuel Ethanol	--	10	--	0	1	--	-1	3	0	9
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	5	--	--	2	-3	0	6
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	47	-14	27	8	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	2	47	-14	27	8	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	678	10	-34	10	-3	--	0	667
Finished Motor Gasoline	--	--	344	--	-13	10	4	--	0	337
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	344	--	-13	10	4	--	0	337
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	38	--	17	--	1	--	--	54
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	195	8	2	--	-4	--	0	209
15 ppm sulfur and under	--	0	193	8	2	--	-3	--	0	206
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	-1	--	--	3
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	-1	--	0	12
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	23	--	-21	--	2	--	--	0
Marketable	--	--	15	--	-21	--	2	--	--	-8
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	39	2	-19	--	-7	--	0	28
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
Total	1,305	19	691	457	-999	-57	11	666	3	735

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	766	--	--	405	-552	-54	-4	569	-	0
Hydrocarbon Gas Liquids	521	0	12	14	-337	--	6	14	3	186
Natural Gas Liquids	521	0	8	14	-337	--	7	14	3	182
Ethane	158	--	--	--	-124	--	2	--	0	32
Propane	183	--	8	12	-104	--	-1	--	0	99
Normal Butane	70	--	1	2	-40	--	6	5	0	22
Isobutane	35	--	0	0	-25	--	0	5	0	5
Natural Gasoline	74	0	--	--	-44	--	0	4	3	24
Refinery Olefins	--	--	3	--	--	--	0	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	17	--	4	42	-17	1	34	1	10
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	17	--	1	15	12	0	38	1	6
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	17	--	1	15	6	0	32	1	6
Fuel Ethanol	--	9	--	--	15	6	0	29	0	0
Renewable Fuels Except Fuel Ethanol	--	7	--	1	1	--	0	2	0	6
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1	--	--	1	-4	0	4
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	26	-28	0	0	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	2	26	-28	0	0	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	627	9	-17	23	-4	--	1	646
Finished Motor Gasoline	--	--	313	--	-12	23	-3	--	0	327
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	313	--	-12	23	-3	--	0	327
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	33	2	18	--	1	--	--	52
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	187	6	4	--	-2	--	0	199
15 ppm sulfur and under	--	0	185	6	4	--	-2	--	0	197
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	0	--	0	--	0	2
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	21	--	-10	--	0	--	0	11
Marketable	--	--	14	--	-10	--	0	--	0	4
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	37	2	-17	--	0	--	0	22
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
Total	1,288	16	639	432	-864	-48	-1	618	4	842

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	23,870	--	--	39,425	3,080	2,135	1,555	66,955	-	0	47,895
Hydrocarbon Gas Liquids	1,905	-6	1,736	1,407	849	--	109	2,169	1,619	1,995	4,701
Natural Gas Liquids	1,905	-6	1,588	1,407	849	--	228	2,169	1,619	1,728	4,656
Ethane	1	--	--	--	--	--	--	--	--	1	--
Propane	243	--	1,061	647	341	--	-48	--	645	1,695	2,117
Normal Butane	470	--	407	760	377	--	332	588	948	146	2,122
Isobutane	246	--	120	--	131	--	-54	714	--	-163	362
Natural Gasoline	945	-6	--	--	--	--	-2	867	26	49	55
Refinery Olefins	--	--	148	--	--	--	-119	--	--	267	45
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	167	--	--	--	3	--	--	164	13
Normal Butylene	--	--	-19	--	--	--	-122	--	--	103	32
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	793	--	3,552	8,562	-751	360	10,450	664	681	53,022
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	793	--	983	4,724	1,227	-62	6,946	400	443	5,229
Hydrogen	--	--	--	--	--	1,388	--	1,388	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	793	--	983	4,724	-161	-62	5,558	400	443	5,229
Fuel Ethanol	--	234	--	250	4,460	-161	-37	4,572	247	0	2,913
Renewable Fuels Except Fuel Ethanol	--	558	--	733	264	--	-26	986	152	443	2,316
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,831	--	--	683	896	13	239	19,113
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	738	3,838	-1,978	-261	2,608	251	0	28,680
Reformulated	--	0	--	--	1,629	-71	-892	2,429	21	0	13,391
Conventional	--	--	--	738	2,209	-1,907	631	179	230	0	15,289
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	38	83,074	6,904	2,631	2,139	499	--	6,199	88,088	33,776
Finished Motor Gasoline	--	29	44,827	1,136	136	2,139	25	--	856	47,387	1,884
Reformulated	--	--	31,745	--	--	290	2	--	--	32,033	20
Conventional	--	29	13,082	1,136	136	1,849	23	--	856	15,354	1,864
Finished Aviation Gasoline	--	--	13	--	--	--	-33	--	--	46	277
Kerosene-Type Jet Fuel	--	10	10,881	4,473	262	--	1,248	--	459	13,919	10,021
Kerosene	--	--	4	--	--	--	4	--	11	-11	11
Distillate Fuel Oil	--	-1	15,794	606	1,301	--	147	--	1,199	16,354	12,386
15 ppm sulfur and under	--	-1	15,220	606	1,301	--	206	--	820	16,099	11,589
Greater than 15 ppm to 500 ppm sulfur	--	--	254	--	--	--	-21	--	219	56	276
Greater than 500 ppm sulfur	--	--	320	--	--	--	-38	--	159	199	521
Residual Fuel Oil	--	--	2,292	540	--	--	-968	--	530	3,270	5,127
Less than 0.31 percent sulfur	--	--	121	--	--	--	-693	--	NA	NA	1,503
0.31 to 1.00 percent sulfur	--	--	580	236	--	--	-101	--	NA	NA	428
Greater than 1.00 percent sulfur	--	--	1,591	304	--	--	-174	--	NA	NA	3,196
Petrochemical Feedstocks	--	--	--	--	--	--	0	--	--	0	2
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	0	--	--	0	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	42	--	--	--	17	--	--	25	40
Lubricants	--	--	586	79	--	--	143	--	84	438	805
Waxes	--	--	--	32	--	--	--	--	4	28	--
Petroleum Coke	--	--	3,941	--	414	--	194	--	3,033	1,128	1,348
Marketable	--	--	2,992	--	414	--	194	--	3,033	179	1,348
Catalyst	--	--	949	--	--	--	--	--	--	949	--
Asphalt and Road Oil	--	--	821	38	518	--	-269	--	22	1,623	1,794
Still Gas	--	--	3,502	--	--	--	--	--	--	3,502	--
Miscellaneous Products	--	--	371	--	--	--	-9	--	1	379	81
Total	25,775	825	84,810	51,288	15,122	3,523	2,522	79,574	8,482	90,764	139,395

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	220,699	--	--	314,792	34,795	12,061	2,729	570,745	8,873	0	47,895
Hydrocarbon Gas Liquids	16,130	-45	13,666	12,334	6,968	--	448	18,566	13,745	16,294	4,701
Natural Gas Liquids	16,130	-45	12,196	12,334	6,968	--	416	18,566	13,745	14,856	4,656
Ethane	7	--	--	--	--	--	--	--	1	6	--
Propane	2,223	--	8,835	7,433	3,149	--	-26	--	6,986	14,680	2,117
Normal Butane	3,815	--	2,674	4,895	2,779	--	436	5,688	6,557	1,482	2,122
Isobutane	2,237	--	687	6	1,040	--	-10	5,726	6	-1,752	362
Natural Gasoline	7,848	-45	--	--	--	--	16	7,152	195	440	55
Refinery Olefins	--	--	1,470	--	--	--	32	--	--	1,438	45
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,519	--	--	--	2	--	--	1,517	13
Normal Butylene	--	--	-49	--	--	--	30	--	--	-79	32
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	6,334	--	40,412	84,053	-8,255	2,980	102,996	4,629	11,938	53,022
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	6,335	--	9,085	43,645	11,332	603	58,298	2,620	8,875	5,229
Hydrogen	--	--	--	--	--	11,640	--	11,640	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	6,335	--	9,085	43,645	-308	603	46,658	2,620	8,875	5,229
Fuel Ethanol	--	2,243	--	1,196	38,612	-308	-77	39,963	1,857	0	2,913
Renewable Fuels Except Fuel Ethanol	--	4,092	--	7,889	5,032	--	680	6,695	763	8,875	2,316
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	16,936	--	--	2,100	11,170	603	3,063	19,113
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	14,391	40,408	-19,588	277	33,528	1,405	0	28,680
Reformulated	--	0	--	901	17,224	-804	-2,079	19,367	33	0	13,391
Conventional	--	0	--	13,490	23,184	-18,784	2,356	14,161	1,373	0	15,289
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	294	721,474	47,077	22,192	19,895	-2,132	--	68,391	744,673	33,776
Finished Motor Gasoline	--	243	394,147	7,252	1,357	19,895	-1,113	--	11,575	412,433	1,884
Reformulated	--	--	276,398	--	--	3,949	2	--	--	280,345	20
Conventional	--	243	117,749	7,252	1,357	15,947	-1,115	--	11,575	132,088	1,864
Finished Aviation Gasoline	--	--	314	11	--	--	-23	--	--	348	277
Kerosene-Type Jet Fuel	--	67	87,166	27,578	2,352	--	1,076	--	4,100	111,987	10,021
Kerosene	--	--	58	--	--	--	-2	--	222	-162	11
Distillate Fuel Oil	--	-16	140,439	5,794	12,638	--	-2,191	--	17,044	144,002	12,386
15 ppm sulfur and under	--	-16	134,313	4,540	12,634	--	-1,992	--	11,835	141,627	11,589
Greater than 15 ppm to 500 ppm sulfur	--	--	3,305	1,254	4	--	62	--	2,024	2,477	276
Greater than 500 ppm sulfur	--	--	2,821	--	--	--	-261	--	3,184	-102	521
Residual Fuel Oil	--	--	21,329	5,197	--	--	382	--	6,006	20,138	5,127
Less than 0.31 percent sulfur	--	--	677	--	--	--	651	--	NA	NA	1,503
0.31 to 1.00 percent sulfur	--	--	5,256	2,592	--	--	-94	--	NA	NA	428
Greater than 1.00 percent sulfur	--	--	15,396	2,605	--	--	-175	--	NA	NA	3,196
Petrochemical Feedstocks	--	--	--	219	--	--	0	--	--	219	2
Naphtha for Petro. Feed. Use	--	--	--	219	--	--	0	--	--	219	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	328	--	--	--	-8	--	--	336	40
Lubricants	--	--	4,883	287	-486	--	-89	--	3,039	1,734	805
Waxes	--	--	--	223	--	--	--	--	34	189	--
Petroleum Coke	--	--	33,534	--	1,245	--	132	--	26,128	8,519	1,348
Marketable	--	--	25,563	--	1,245	--	132	--	26,128	548	1,348
Catalyst	--	--	7,971	--	--	--	--	--	--	7,971	--
Asphalt and Road Oil	--	--	7,065	516	5,085	--	-292	--	241	12,717	1,794
Still Gas	--	--	29,126	--	--	--	--	--	--	29,126	--
Miscellaneous Products	--	--	3,085	--	--	--	-4	--	2	3,087	81
Total	236,829	6,583	735,140	414,615	148,007	23,701	4,026	692,307	95,637	772,905	139,395

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogas, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	796	--	--	1,314	103	71	52	2,232	--	0
Hydrocarbon Gas Liquids	64	0	58	47	28	--	4	72	54	66
Natural Gas Liquids	64	0	53	47	28	--	8	72	54	58
Ethane	0	--	--	--	--	--	--	--	--	0
Propane	8	--	35	22	11	--	-2	--	22	56
Normal Butane	16	--	14	25	13	--	11	20	32	5
Isobutane	8	--	4	--	4	--	-2	24	--	-5
Natural Gasoline	32	0	--	--	--	--	0	29	1	2
Refinery Olefins	--	--	5	--	--	--	-4	--	--	9
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6	--	--	--	0	--	--	5
Normal Butylene	--	--	-1	--	--	--	-4	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	26	--	118	285	-25	12	348	22	23
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	26	--	33	157	41	-2	232	13	15
Hydrogen	--	--	--	--	--	46	--	46	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	26	--	33	157	-5	-2	185	13	15
Fuel Ethanol	--	8	--	8	149	-5	-1	152	8	0
Renewable Fuels Except Fuel Ethanol	--	19	--	24	9	--	-1	33	5	15
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	61	--	--	23	30	0	8
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	25	128	-66	-9	87	8	0
Reformulated	--	0	--	--	54	-2	-30	81	1	0
Conventional	--	--	--	25	74	-64	21	6	8	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	2,769	230	88	71	17	--	207	2,936
Finished Motor Gasoline	--	1	1,494	38	5	71	1	--	29	1,580
Reformulated	--	--	1,058	--	--	10	0	--	--	1,068
Conventional	--	1	436	38	5	62	1	--	29	512
Finished Aviation Gasoline	--	--	0	--	--	--	-1	--	--	2
Kerosene-Type Jet Fuel	--	0	363	149	9	--	42	--	15	464
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	0	526	20	43	--	5	--	40	545
15 ppm sulfur and under	--	0	507	20	43	--	7	--	27	537
Greater than 15 ppm to 500 ppm sulfur	--	--	8	--	--	--	-1	--	7	2
Greater than 500 ppm sulfur	--	--	11	--	--	--	-1	--	5	7
Residual Fuel Oil	--	--	76	18	--	--	-32	--	18	109
Less than 0.31 percent sulfur	--	--	4	--	--	--	-23	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	19	8	--	--	-3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	53	10	--	--	-6	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	0	--	--	0
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	0	--	--	0
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	1	--	--	1
Lubricants	--	--	20	3	--	--	5	--	3	15
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	131	--	14	--	6	--	101	38
Marketable	--	--	100	--	14	--	6	--	101	6
Catalyst	--	--	32	--	--	--	--	--	--	32
Asphalt and Road Oil	--	--	27	1	17	--	-9	--	1	54
Still Gas	--	--	117	--	--	--	--	--	--	117
Miscellaneous Products	--	--	12	--	--	--	0	--	0	13
Total	859	27	2,827	1,710	504	117	84	2,652	283	3,025

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-September 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	808	--	--	1,153	127	44	10	2,091	33	0
Hydrocarbon Gas Liquids	59	0	50	45	26	--	2	68	50	60
Natural Gas Liquids	59	0	45	45	26	--	2	68	50	54
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	8	--	32	27	12	--	0	--	26	54
Normal Butane	14	--	10	18	10	--	2	21	24	5
Isobutane	8	--	3	0	4	--	0	21	0	-6
Natural Gasoline	29	0	--	--	--	--	0	26	1	2
Refinery Olefins	--	--	5	--	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6	--	--	--	0	--	--	6
Normal Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	23	--	148	308	-30	11	377	17	44
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	23	--	33	160	42	2	214	10	33
Hydrogen	--	--	--	--	--	43	--	43	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	23	--	33	160	-1	2	171	10	33
Fuel Ethanol	--	8	--	4	141	-1	0	146	7	0
Renewable Fuels Except Fuel Ethanol	--	15	--	29	18	--	2	25	3	33
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	62	--	--	8	41	2	11
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	53	148	-72	1	123	5	0
Reformulated	--	0	--	3	63	-3	-8	71	0	0
Conventional	--	0	--	49	85	-69	9	52	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	2,643	172	81	73	-8	--	251	2,728
Finished Motor Gasoline	--	1	1,444	27	5	73	-4	--	42	1,511
Reformulated	--	--	1,012	--	--	14	0	--	--	1,027
Conventional	--	1	431	27	5	58	-4	--	42	484
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	0	319	101	9	--	4	--	15	410
Kerosene	--	--	0	--	--	--	0	--	1	-1
Distillate Fuel Oil	--	0	514	21	46	--	-8	--	62	527
15 ppm sulfur and under	--	0	492	17	46	--	-7	--	43	519
Greater than 15 ppm to 500 ppm sulfur	--	--	12	5	0	--	0	--	7	9
Greater than 500 ppm sulfur	--	--	10	--	--	--	-1	--	12	0
Residual Fuel Oil	--	--	78	19	--	--	1	--	22	74
Less than 0.31 percent sulfur	--	--	2	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	19	9	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	56	10	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	18	1	-2	--	0	--	11	6
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	123	--	5	--	0	--	96	31
Marketable	--	--	94	--	5	--	0	--	96	2
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	26	2	19	--	-1	--	1	47
Still Gas	--	--	107	--	--	--	--	--	--	107
Miscellaneous Products	--	--	11	--	--	--	0	--	0	11
Total	868	24	2,693	1,519	542	87	15	2,536	350	2,831

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, September 2021
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,316	49,876	224,580	23,626	23,870	324,267	10,809
Alaskan	--	--	--	--	--	--	--
Lower 48 States	--	--	--	--	--	--	--
Imports (PAD District of Entry)	16,172	80,869	46,494	12,824	39,425	195,784	6,526
Commercial	16,172	80,869	46,494	12,824	39,425	195,784	6,526
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	2,317	-8,808	20,475	-17,064	3,080	--	--
Adjustments ¹	-470	-5,039	17,165	-1,912	2,135	11,879	396
Disposition							
Stock Change ²	-773	-3,479	-1,516	-688	1,555	-4,901	-163
Commercial	-773	-3,479	2,018	-688	1,555	-1,367	-46
SPR	--	--	-3,534	--	--	-3,534	-118
Refinery Inputs	21,108	118,360	232,251	18,162	66,955	456,836	15,228
Exports	--	2,017	77,979	--	--	79,995	2,667
Ending Stocks							
Total	7,987	113,234	845,786	23,216	47,895	1,038,118	--
Commercial	7,987	113,234	228,018	23,216	47,895	420,350	--
Refinery	5,856	12,538	45,509	2,459	20,705	87,067	--
Tank Farms and Pipelines	2,131	100,696	182,509	20,757	24,822	330,915	--
Cushing, Oklahoma	--	35,345	--	--	--	35,345	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	2,368	2,368	--
SPR	--	--	617,768	--	--	617,768	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	59.5	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	33.2	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	550	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	16,172	80,869	46,494	12,824	39,425	195,784	6,526
PAD District of Processing	16,960	75,724	53,494	9,748	39,858	195,784	6,526

-- = Not Applicable.

-- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, September 2021
(Thousand Barrels)

PAD District and State	September 2021		January-September 2021	
	Total	Daily Average	Total	Daily Average
PAD District 1	2,316	77	20,943	77
Florida	130	4	1,120	4
New York	12	0	141	1
Pennsylvania	517	17	4,889	18
Virginia	0	0	2	0
West Virginia	1,657	55	14,791	54
PAD District 2	49,876	1,663	444,164	1,627
Illinois	592	20	5,241	19
Indiana	137	5	1,088	4
Kansas	2,322	77	20,672	76
Kentucky	115	4	1,814	7
Michigan	369	12	3,422	13
Missouri	4	0	35	0
Nebraska	137	5	1,209	4
North Dakota	32,972	1,099	290,103	1,063
Ohio	1,309	44	13,765	50
Oklahoma	11,815	394	105,909	388
South Dakota	86	3	773	3
Tennessee	17	1	132	0
PAD District 3	224,580	7,486	2,116,618	7,753
Alabama	385	13	3,236	12
Arkansas	350	12	3,105	11
Louisiana	1,896	63	24,830	91
Mississippi	1,075	36	10,034	37
New Mexico	40,547	1,352	331,878	1,216
Texas	148,374	4,946	1,281,637	4,695
Federal Offshore PAD District 3	31,953	1,065	461,898	1,692
PAD District 4	23,626	788	209,180	766
Colorado	11,878	396	106,122	389
Idaho	2	0	19	0
Montana	1,625	54	13,942	51
Utah	3,053	102	25,993	95
Wyoming	7,066	236	63,104	231
PAD District 5	23,870	796	220,699	808
Alaska	12,891	430	118,713	435
South Alaska	267	9	2,594	10
North Slope	12,624	421	116,119	425
Arizona	1	0	5	0
California	10,620	354	98,537	361
Nevada	17	1	155	1
Federal Offshore PAD District 5	341	11	3,289	12
U.S. Total	324,267	10,809	3,011,603	11,032

- = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas.

Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	11	19,679	19,690	4,735	12,030	16,713	33,478
Natural Gas Liquids	11	19,679	19,690	4,735	12,030	16,713	33,478
Ethane	—	7,638	7,638	1,594	3,497	7,448	12,539
Propane	4	6,954	6,958	2,002	4,311	4,902	11,215
Normal Butane	7	2,180	2,187	321	1,852	1,641	3,814
Isobutane	—	919	919	501	583	858	1,942
Natural Gasoline	—	1,988	1,988	317	1,787	1,864	3,968

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	77,857	4,575	2,808	448	9,929	95,617	15,515	1,905	166,205
Natural Gas Liquids	77,857	4,575	2,808	448	9,929	95,617	15,515	1,905	166,205
Ethane	33,705	2,311	1,135	86	3,727	40,964	4,344	1	65,486
Propane	23,474	1,201	925	138	3,184	28,922	5,579	243	52,917
Normal Butane	8,054	-3,092	308	62	1,089	6,421	2,190	470	15,082
Isobutane	4,311	3,750	178	49	647	8,935	1,030	246	13,072
Natural Gasoline	8,313	405	262	113	1,282	10,375	2,372	945	19,648

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	7	246	253	1,131	127	504	1,762
Natural Gas Liquids	7	246	253	1,131	127	504	1,762
Ethane	—	—	—	33	4	157	194
Propane	4	123	127	694	42	96	832
Normal Butane	3	47	50	215	30	24	269
Isobutane	—	14	14	74	8	60	142
Natural Gasoline	—	62	62	115	43	167	325

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	226	409	1,146	4	1	1,786	164	635	4,600
Natural Gas Liquids	226	409	1,146	4	1	1,786	164	635	4,600
Ethane	12	14	225	—	—	251	5	—	450
Propane	88	41	276	1	—	406	66	98	1,529
Normal Butane	27	30	164	1	—	222	33	467	1,041
Isobutane	43	14	77	—	—	134	18	22	330
Natural Gasoline	56	310	404	2	1	773	42	48	1,250

— = No Data Reported.
Note: Refer to Appendix A for Refining District descriptions.
Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	18,079	3,029	21,108	77,790	14,418	26,152	118,360
Hydrocarbon Gas Liquids	1,631	—	1,631	1,381	145	1,451	2,977
Natural Gas Liquids	1,631	—	1,631	1,381	145	1,451	2,977
Normal Butane	1,240	—	1,240	199	105	224	528
Isobutane	105	—	105	940	30	422	1,392
Natural Gasoline	286	—	286	242	10	805	1,057
Other Liquids	78,515	5,801	84,316	7,821	3,069	1,501	12,391
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	9,398	776	10,174	5,690	1,619	1,856	9,165
Hydrogen	99	6	105	702	265	192	1,159
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,299	770	10,069	4,978	1,354	1,664	7,996
Fuel Ethanol	9,087	701	9,788	4,742	1,114	1,577	7,433
Renewable Diesel Fuel ²	212	69	281	236	240	87	563
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	10	—	—	10
Unfinished Oils (net)	1,642	-229	1,413	-74	-138	-373	-585
Naphthas and Lighter	16	-182	-166	333	2	-104	231
Kerosene and Light Gas Oils	178	—	178	9	-6	-42	-39
Heavy Gas Oils	886	-44	842	-510	-134	-226	-870
Residuum	562	-3	559	94	—	-1	93
Motor Gasoline Blend.Comp. (MGBC)(net)	67,475	5,254	72,729	2,205	1,588	18	3,811
Reformulated - RBOB	15,122	—	15,122	-169	1,155	883	1,869
Conventional	52,353	5,254	57,607	2,374	433	-865	1,942
CBOB	42,906	5,242	48,148	3,195	484	-992	2,687
GTAB	4,129	—	4,129	—	—	—	—
Other	5,318	12	5,330	-821	-51	127	-745
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	98,225	8,830	107,055	86,992	17,632	29,104	133,728

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	20,806	134,365	67,219	7,019	2,842	232,251	18,162	66,955	456,836
Hydrocarbon Gas Liquids	696	5,814	2,117	143	131	8,901	486	2,169	16,164
Natural Gas Liquids	696	5,814	2,117	143	131	8,901	486	2,169	16,164
Normal Butane	395	1,574	648	87	—	2,704	193	588	5,253
Isobutane	249	1,959	771	54	131	3,164	160	714	5,535
Natural Gasoline	52	2,281	698	2	—	3,033	133	867	5,376
Other Liquids	9,036	-43,160	-20,620	7,112	-184	-47,816	1,336	10,450	60,677
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	2,167	3,348	1,553	1,082	191	8,341	1,192	6,946	35,818
Hydrogen	105	2,407	1,009	61	33	3,615	202	1,388	6,469
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	2,062	941	544	1,021	158	4,726	990	5,558	29,339
Fuel Ethanol	2,038	836	473	985	142	4,474	901	4,572	27,168
Renewable Diesel Fuel ²	24	63	35	36	16	174	36	920	1,974
Other Renewable Fuels	—	42	36	—	—	78	53	66	197
Other Hydrocarbons	—	—	—	—	—	—	—	—	10
Unfinished Oils (net)	-253	-2,816	3,577	67	11	586	-102	896	2,208
Naphthas and Lighter	-111	-6,439	-345	43	-32	-6,884	-119	-522	-7,460
Kerosene and Light Gas Oils	-67	-1,779	120	-50	55	-1,721	118	-742	-2,206
Heavy Gas Oils	-17	3,254	1,838	155	-12	5,218	-86	1,779	6,883
Residuum	-58	2,148	1,964	-81	—	3,973	-15	381	4,991
Motor Gasoline Blend.Comp. (MGBC)(net)	7,113	-43,692	-25,752	5,963	-386	-56,754	246	2,608	22,640
Reformulated - RBOB	5,821	-8,049	-1,143	13	-647	-4,005	—	2,429	15,415
Conventional	1,292	-35,643	-24,609	5,950	261	-52,749	246	179	7,225
CBOB	1,480	-35,047	-23,439	5,990	279	-50,737	394	112	604
GTAB	—	—	—	—	—	—	—	—	4,129
Other	-188	-596	-1,170	-40	-18	-2,012	-148	67	2,492
Aviation Gasoline Blend. Comp. (net)	9	—	2	—	—	11	—	—	11
Total Input	30,538	97,019	48,716	14,274	2,789	193,336	19,984	79,574	533,677

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	438	24	462	2,577	311	530	3,418
Natural Gas Liquids	-28	24	-4	1,517	176	268	1,961
Ethane	-	-	-	-	-	-	-
Propane	381	26	407	1,515	284	394	2,193
Normal Butane	-346	10	-336	141	-71	-57	13
Isobutane	-63	-12	-75	-139	-37	-69	-245
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	466	-	466	1,060	135	262	1,457
Ethylene	16	-	16	-	-	-	-
Propylene	406	-	406	1,024	155	262	1,441
Normal Butylene	9	-	9	36	-20	-	16
Isobutylene	35	-	35	-	-	-	-
Finished Motor Gasoline	88,896	6,907	95,803	49,833	10,851	16,122	76,806
Reformulated	36,234	56	36,290	7,798	1,302	981	10,081
Reformulated Blended with Fuel Ethanol	36,233	56	36,289	7,798	1,302	981	10,081
Reformulated Other	1	-	1	-	-	-	-
Conventional	52,662	6,851	59,513	42,035	9,549	15,141	66,725
Conventional Blended with Fuel Ethanol	53,431	6,920	60,351	38,957	9,552	14,051	62,560
Ed55 and Lower	53,373	6,920	60,293	38,938	9,518	13,955	62,411
Greater than Ed55	58	-	58	19	34	96	149
Conventional Other	-769	-69	-838	3,078	-3	1,090	4,165
Finished Aviation Gasoline	-	-5	-5	-	29	-	29
Kerosene-Type Jet Fuel	1,997	-	1,997	6,176	709	889	7,774
Kerosene	173	4	177	182	-	-	182
Distillate Fuel Oil	4,596	854	5,450	20,173	4,252	10,033	34,458
15 ppm sulfur and under	4,608	886	5,494	20,108	4,216	10,061	34,385
Greater than 15 ppm to 500 ppm sulfur	50	-41	9	-30	-	142	112
Greater than 500 ppm sulfur	-62	9	-53	95	36	-170	-39
Residual Fuel Oil	1,385	4	1,389	830	133	112	1,075
Less than 0.31 percent sulfur	-7	3	-4	88	-	-	88
0.31 to 1.00 percent sulfur	1,058	1	1,059	318	58	16	392
Greater than 1.00 percent sulfur	334	-	334	424	75	96	595
Petrochemical Feedstocks	-	-	-	1,052	-	34	1,086
Naphtha for Petro. Feed. Use	-	-	-	675	-	-	675
Other Oils for Petro. Feed. Use	-	-	-	377	-	34	411
Special Naphthas	-	15	15	-60	-	16	-44
Lubricants	151	220	371	-	-	250	250
Waxes	-	-6	-6	-	-	38	38
Petroleum Coke	668	20	688	4,372	917	916	6,205
Marketable	244	-	244	3,281	750	680	4,711
Catalyst	424	20	444	1,091	167	236	1,494
Asphalt and Road Oil	303	697	1,000	3,419	1,126	228	4,773
Still Gas	828	50	878	2,776	565	1,052	4,393
Miscellaneous Products	54	46	100	337	103	56	496
Total	99,489	8,830	108,319	91,667	18,996	30,276	140,939
Processing Gain(-) or Loss(+) ¹	-1,264	0	-1,264	-4,675	-1,364	-1,172	-7,211

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	1,030	7,445	3,671	27	26	12,199	387	1,736	18,202
Natural Gas Liquids	599	3,825	1,640	-5	26	6,085	338	1,588	9,968
Ethane	5	141	20	-	-	166	-	-	166
Propane	284	2,472	1,078	13	30	3,877	255	1,061	7,793
Normal Butane	300	1,435	509	-18	-4	2,222	83	407	2,389
Isobutane	10	-223	33	-	-	-180	0	120	-380
Natural Gasoline	-	-	-	-	-	-	-	-	-
Refinery Olefins	431	3,620	2,031	32	-	6,114	49	148	8,234
Ethylene	-	3	-	-	-	3	-	-	19
Propylene	444	3,760	2,068	32	-	6,304	44	167	8,362
Normal Butylene	-13	-92	-37	-	-	-142	5	-19	-131
Isobutylene	-	-51	-	-	-	-51	-	-	-16
Finished Motor Gasoline	20,540	22,065	9,189	9,285	1,360	62,439	10,330	44,827	290,205
Reformulated	7,151	6,222	-	-	-	13,373	-	31,745	91,489
Reformulated Blended with Fuel Ethanol	7,150	6,220	-	-	-	13,370	-	31,745	91,485
Reformulated Other	1	2	-	-	-	3	-	-	4
Conventional	13,389	15,843	9,189	9,285	1,360	49,066	10,330	13,082	198,716
Conventional Blended with Fuel Ethanol	12,998	2,033	4,738	9,737	1,420	30,926	8,921	13,654	176,412
Ed55 and Lower	12,984	2,033	4,738	9,720	1,419	30,894	8,901	13,650	176,149
Greater than Ed55	14	-	-	17	1	32	20	4	263
Conventional Other	391	13,810	4,451	-452	-60	18,140	1,409	-572	22,304
Finished Aviation Gasoline	101	123	67	-	-	291	6	13	334
Kerosene-Type Jet Fuel	1,375	10,643	6,681	174	0	18,873	1,145	10,881	40,670
Kerosene	4	204	11	13	-	232	2	4	597
Distillate Fuel Oil	6,220	42,614	22,390	2,562	1,168	74,954	5,856	15,794	136,512
15 ppm sulfur and under	6,263	41,743	19,421	2,412	1,168	71,007	5,789	15,220	131,895
Greater than 15 ppm to 500 ppm sulfur	-43	264	557	136	-	914	59	254	1,348
Greater than 500 ppm sulfur	-	607	2,412	14	-	3,033	8	320	3,269
Residual Fuel Oil	320	-70	127	-32	81	426	335	2,292	5,517
Less than 0.31 percent sulfur	237	-	545	-	-	782	192	121	1,179
0.31 to 1.00 percent sulfur	-4	315	277	-32	-	556	37	580	2,624
Greater than 1.00 percent sulfur	87	-385	-695	-	81	-912	106	1,591	1,714
Petrochemical Feedstocks	128	5,569	1,927	-	-	7,624	-	-	8,710
Naphtha for Petro. Feed. Use	120	3,379	1,233	-	-	4,732	-	-	5,407
Other Oils for Petro. Feed. Use	8	2,190	694	-	-	2,892	-	-	3,303
Special Naphthas	66	645	-	195	-	906	-	42	919
Lubricants	6	1,707	1,731	864	-	4,308	-	586	5,515
Waxes	-	50	45	23	-	118	-	-	150
Petroleum Coke	450	7,377	3,698	154	21	11,700	678	3,941	23,212
Marketable	203	5,627	2,976	137	-	8,943	451	2,992	17,341
Catalyst	247	1,750	722	17	21	2,757	227	949	5,871
Asphalt and Road Oil	212	354	407	1,078	68	2,119	1,175	821	9,888
Still Gas	844	5,701	2,520	263	65	9,393	710	3,502	18,876
Miscellaneous Products	142	851	328	17	51	1,389	114	371	2,470
Total	31,438	105,278	52,792	14,623	2,840	206,971	20,738	84,810	561,777
Processing Gain(-) or Loss(+) ¹	-900	-8,259	-4,076	-349	-51	-13,635	-754	-5,236	-28,100

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	18,079	3,029	21,108	77,790	14,418	26,152	118,360
Hydrocarbon Gas Liquids	286	—	286	1,321	30	1,172	2,523
Natural Gas Liquids	286	—	286	1,321	30	1,172	2,523
Normal Butane	181	—	181	139	—	4	143
Isobutane	105	—	105	940	30	422	1,392
Natural Gasoline	—	—	—	242	—	746	988
Other Liquids	-8,593	-138	-8,731	-36,543	-5,659	-11,880	-54,082
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	165	144	309	993	516	350	1,859
Hydrogen	99	6	105	702	265	192	1,159
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	66	138	204	281	251	158	690
Fuel Ethanol	66	107	173	183	187	137	507
Renewable Diesel Fuel ²	—	31	31	98	64	21	183
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	10	—	—	10
Unfinished Oils (net)	1,642	-229	1,413	-76	-138	-373	-587
Naphthas and Lighter	16	-182	-166	333	2	-104	231
Kerosene and Light Gas Oils	178	—	178	9	-6	-42	-39
Heavy Gas Oils	886	-44	842	-512	-134	-226	-872
Residuum	562	-3	559	94	—	-1	93
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,400	-53	-10,453	-37,460	-6,037	-11,857	-55,354
Reformulated - RBOB	-7,244	—	-7,244	-6,926	—	—	-6,926
Conventional	-3,156	-53	-3,209	-30,534	-6,037	-11,857	-48,428
CBOB	-2,901	-65	-2,966	-29,713	-5,986	-11,984	-47,683
GTAB	—	—	—	—	—	—	—
Other	-255	12	-243	-821	-51	127	-745
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	9,772	2,891	12,663	42,568	8,789	15,444	66,801
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	632	101	734	2,593	498	874	3,964
Operable Capacity (daily average)	720	98	818	2,718	547	926	4,191
Operable Utilization Rate (percent) ³	87.9	103.2	89.7	95.4	91.1	94.4	94.6
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	111	13	124	470	77	169	716
Catalytic Cracking	253	16	269	793	142	211	1,146
Catalytic Hydrocracking	45	—	45	196	59	61	317
Delayed and Fluid Coking	34	—	34	370	73	89	532
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.67	1.67	0.81	1.54	1.83	0.66	1.38
API Gravity, Weighted Average (degrees)	36.80	31.48	36.00	32.70	27.90	38.38	33.31
Operable Capacity (daily average)	720	98	818	2,718	547	926	4,191
Operating	720	98	818	2,718	509	926	4,153
Idle	—	—	—	—	38	—	38
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	20,806	134,365	67,219	7,019	2,842	232,251	18,162	66,955	456,836
Hydrocarbon Gas Liquids	641	4,035	1,992	57	131	6,856	433	2,128	12,226
Natural Gas Liquids	641	4,035	1,992	57	131	6,856	433	2,128	12,226
Normal Butane	359	1,037	523	1	—	1,920	152	547	2,943
Isobutane	249	1,959	771	54	131	3,164	158	714	5,533
Natural Gasoline	33	1,039	698	2	—	1,772	123	867	3,750
Other Liquids	-8,724	-51,079	-23,369	-1,500	-1,494	-86,166	-4,481	-32,643	-186,103
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	326	2,476	1,268	127	43	4,240	537	1,966	8,911
Hydrogen	105	2,407	1,009	61	33	3,615	202	1,388	6,469
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	221	69	259	66	10	625	335	578	2,432
Fuel Ethanol	208	47	188	46	6	495	265	105	1,545
Renewable Diesel Fuel ²	13	22	35	20	4	94	17	407	732
Other Renewable Fuels	—	—	36	—	—	36	53	66	155
Other Hydrocarbons	—	—	—	—	—	—	—	—	10
Unfinished Oils (net)	-253	-2,646	3,577	67	11	756	-102	896	2,376
Naphthas and Lighter	-111	-6,439	-345	43	-32	-6,884	-119	-522	-7,460
Kerosene and Light Gas Oils	-67	-1,609	120	-50	55	-1,551	118	-742	-2,036
Heavy Gas Oils	-17	3,254	1,838	155	-12	5,218	-86	1,779	6,881
Residuum	-58	2,148	1,964	-81	—	3,973	-15	381	4,991
Motor Gasoline Blend Comp. (MGBC)(net)	-8,806	-50,909	-28,216	-1,694	-1,548	-91,173	-4,916	-35,505	-197,401
Reformulated - RBOB	-690	-13,623	-1,143	—	-647	-16,103	—	-25,469	-55,742
Conventional	-8,116	-37,286	-27,073	-1,694	-901	-75,070	-4,916	-10,036	-141,659
CBOB	-7,928	-32,151	-24,958	-1,654	-878	-67,569	-4,767	-9,967	-132,952
GTAB	—	—	—	—	—	—	—	—	—
Other	-188	-5,135	-2,115	-40	-23	-7,501	-149	-69	-8,707
Aviation Gasoline Blend. Comp. (net)	9	—	2	—	—	11	—	—	11
Total Input to Refineries	12,723	87,321	45,842	5,576	1,479	152,941	14,114	36,440	282,959
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	697	4,671	2,420	204	95	8,086	607	2,406	15,797
Operable Capacity (daily average)	746	5,106	3,531	258	110	9,751	657	2,714	18,130
Operable Utilization Rate (percent) ³	93.4	91.5	68.5	78.8	86.1	82.9	92.4	88.7	87.1
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	161	721	419	37	19	1,358	98	406	2,701
Catalytic Cracking	182	1,242	648	19	24	2,116	163	668	4,361
Catalytic Hydrocracking	49	568	302	18	17	954	30	471	1,817
Delayed and Fluid Coking	25	702	362	36	—	1,125	59	424	2,173
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.57	1.34	1.18	1.41	0.83	1.21	1.38	1.31	1.25
API Gravity, Weighted Average (degrees)	40.04	34.52	32.81	31.48	39.28	34.57	33.12	28.67	33.38
Operable Capacity (daily average)	746	5,106	3,531	258	110	9,751	657	2,714	18,130
Operating	746	5,071	1,376	258	110	7,562	617	2,650	15,800
Idle	—	35	2,155	—	—	2,190	39	64	2,331
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	10,216	10,216

— = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

³ Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	438	24	462	2,577	311	530	3,418
Natural Gas Liquids	-28	24	-4	1,517	176	268	1,961
Ethane	-	-	-	-	-	-	-
Propane	381	26	407	1,515	284	394	2,193
Normal Butane	-346	10	-336	141	-71	-57	13
Isobutane	-63	-12	-75	-139	-37	-69	-245
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	466	-	466	1,060	135	262	1,457
Ethylene	16	-	16	-	-	-	-
Propylene	406	-	406	1,024	155	262	1,441
Normal Butylene	9	-	9	36	-20	-	16
Isobutylene	35	-	35	-	-	-	-
Finished Motor Gasoline	652	995	1,647	5,519	2,182	2,528	10,229
Reformulated	652	-	652	-	-	-	-
Reformulated Blended with Fuel Ethanol	652	-	652	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-
Conventional	-	995	995	5,519	2,182	2,528	10,229
Conventional Blended with Fuel Ethanol	-	1,064	1,064	1,858	1,802	1,394	5,054
Ed55 and Lower	-	1,064	1,064	1,858	1,802	1,394	5,054
Greater than Ed55	-	-	-	-	-	-	-
Conventional Other	-	-69	-69	3,661	380	1,134	5,175
Finished Aviation Gasoline	-	-	-	-	29	-	29
Kerosene-Type Jet Fuel	1,997	-	1,997	6,199	711	891	7,801
Kerosene	173	4	177	182	-	-	182
Distillate Fuel Oil	4,379	822	5,201	20,043	4,077	9,970	34,090
15 ppm sulfur and under	4,391	854	5,245	19,978	4,041	9,996	34,015
Greater than 15 ppm to 500 ppm sulfur	27	-41	-14	-30	-	37	7
Greater than 500 ppm sulfur	-39	9	-30	95	36	-63	68
Residual Fuel Oil	1,405	4	1,409	830	133	113	1,076
Less than 0.31 percent sulfur	-	3	3	88	-	-	88
0.31 to 1.00 percent sulfur	1,058	1	1,059	318	58	17	393
Greater than 1.00 percent sulfur	347	-	347	424	75	96	595
Petrochemical Feedstocks	-	-	-	1,052	-	34	1,086
Naphtha for Petro. Feed. Use	-	-	-	675	-	-	675
Other Oils for Petro. Feed. Use	-	-	-	377	-	34	411
Special Naphthas	-	15	15	-60	-	16	-44
Lubricants	151	220	371	-	-	250	250
Waxes	-	-6	-6	-	-	38	38
Petroleum Coke	668	20	688	4,372	917	916	6,205
Marketable	244	-	244	3,281	750	680	4,711
Catalyst	424	20	444	1,091	167	236	1,494
Asphalt and Road Oil	289	697	986	3,417	1,124	221	4,762
Still Gas	828	50	878	2,776	565	1,052	4,393
Miscellaneous Products	54	46	100	337	103	56	496
Total	11,034	2,891	13,925	47,244	10,152	16,615	74,011
Processing Gain(-) or Loss(+) ¹	-1,262	0	-1,262	-4,676	-1,363	-1,171	-7,210

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	1,030	7,445	3,671	27	26	12,199	387	1,736	18,202
Natural Gas Liquids	599	3,825	1,640	-5	26	6,085	338	1,588	9,968
Ethane	5	141	20	-	-	166	-	-	166
Propane	284	2,472	1,078	13	30	3,877	255	1,061	7,793
Normal Butane	300	1,435	509	-18	-4	2,222	83	407	2,389
Isobutane	10	-223	33	-	-	-180	0	120	-380
Natural Gasoline	-	-	-	-	-	-	-	-	-
Refinery Olefins	431	3,620	2,031	32	-	6,114	49	148	8,234
Ethylene	-	3	-	-	-	3	-	-	19
Propylene	444	3,760	2,068	32	-	6,304	44	167	8,362
Normal Butylene	-13	-92	-37	-	-	-142	5	-19	-131
Isobutylene	-	-51	-	-	-	-51	-	-	-16
Finished Motor Gasoline	2,740	12,246	6,316	600	62	21,964	4,481	2,198	40,519
Reformulated	-	-	-	-	-	-	-	619	1,271
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	619	1,271
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,740	12,246	6,316	600	62	21,964	4,481	1,579	39,248
Conventional Blended with Fuel Ethanol	2,169	467	1,897	466	62	5,061	2,692	421	14,292
Ed55 and Lower	2,169	467	1,897	466	62	5,061	2,692	421	14,292
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	571	11,779	4,419	134	-	16,903	1,789	1,158	24,956
Finished Aviation Gasoline	101	123	67	-	-	291	6	13	339
Kerosene-Type Jet Fuel	1,375	10,630	6,670	174	-	18,849	1,059	10,882	40,588
Kerosene	4	217	9	13	-	243	2	-1	603
Distillate Fuel Oil	6,208	42,705	22,402	2,549	1,156	75,020	5,923	15,296	135,530
15 ppm sulfur and under	6,251	41,694	19,433	2,399	1,156	70,933	5,856	14,728	130,777
Greater than 15 ppm to 500 ppm sulfur	-43	264	557	136	-	914	59	254	1,220
Greater than 500 ppm sulfur	-	747	2,412	14	-	3,173	8	314	3,533
Residual Fuel Oil	320	-40	127	-32	81	456	335	2,292	5,568
Less than 0.31 percent sulfur	237	-	545	-	-	782	192	53	1,118
0.31 to 1.00 percent sulfur	-4	315	277	-32	-	556	37	580	2,625
Greater than 1.00 percent sulfur	87	-355	-695	-	81	-882	106	1,659	1,825
Petrochemical Feedstocks	128	5,569	1,927	-	-	7,624	-	-	8,710
Naphtha for Petro. Feed. Use	120	3,379	1,233	-	-	4,732	-	-	5,407
Other Oils for Petro. Feed. Use	8	2,190	694	-	-	2,892	-	-	3,303
Special Naphthas	66	645	-	195	-	906	-	42	919
Lubricants	6	1,707	1,731	864	-	4,308	-	586	5,515
Waxes	-	50	45	23	-	118	-	-	150
Petroleum Coke	450	7,377	3,698	154	21	11,700	678	3,941	23,212
Marketable	203	5,627	2,976	137	-	8,943	451	2,992	17,341
Catalyst	247	1,750	722	17	21	2,757	227	949	5,871
Asphalt and Road Oil	212	354	407	1,078	68	2,119	1,175	821	9,863
Still Gas	844	5,701	2,520	263	65	9,393	710	3,502	18,876
Miscellaneous Products	142	851	328	17	51	1,389	114	371	2,470
Total	13,626	95,580	49,918	5,925	1,530	166,579	14,870	41,679	311,064
Processing Gain(-) or Loss(+) ¹	-903	-8,259	-4,076	-349	-51	-13,638	-756	-5,239	-28,105

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, September 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	1,345	—	1,345	60	115	279	454
Natural Gas Liquids	1,345	—	1,345	60	115	279	454
Normal Butane	1,059	—	1,059	60	105	220	385
Isobutane	—	—	—	—	—	—	—
Natural Gasoline	286	—	286	—	10	59	69
Other Liquids	87,108	5,939	93,047	44,364	8,728	13,381	66,473
Oxygenates/Renewables	9,233	632	9,865	4,697	1,103	1,506	7,306
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,233	632	9,865	4,697	1,103	1,506	7,306
Fuel Ethanol	9,021	594	9,615	4,559	927	1,440	6,926
Renewable Diesel Fuel ²	212	38	250	138	176	66	380
Other Renewable Fuels	—	—	—	—	—	—	—
Unfinished Oils (net)	—	—	—	2	—	—	2
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	—	—	—	2	—	—	2
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	77,875	5,307	83,182	39,665	7,625	11,875	59,165
Reformulated - RBOB	22,366	—	22,366	6,757	1,155	883	8,795
Conventional	55,509	5,307	60,816	32,908	6,470	10,992	50,370
CBOB	45,807	5,307	51,114	32,908	6,470	10,992	50,370
GTAB	4,129	—	4,129	—	—	—	—
Other	5,573	—	5,573	—	—	—	—
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	88,453	5,939	94,392	44,424	8,843	13,660	66,927

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	55	1,779	125	86	—	2,045	53	41	3,938
Natural Gas Liquids	55	1,779	125	86	—	2,045	53	41	3,938
Normal Butane	36	537	125	86	—	784	41	41	2,310
Isobutane	—	—	—	—	—	—	2	—	2
Natural Gasoline	19	1,242	—	—	—	1,261	10	—	1,626
Other Liquids	17,760	7,919	2,749	8,612	1,310	38,350	5,817	43,093	246,780
Oxygenates/Renewables	1,841	872	285	955	148	4,101	655	4,980	26,907
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,841	872	285	955	148	4,101	655	4,980	26,907
Fuel Ethanol	1,830	789	285	939	136	3,979	636	4,467	25,623
Renewable Diesel Fuel ²	11	41	—	16	12	80	19	513	1,242
Other Renewable Fuels	—	42	—	—	—	42	—	—	42
Unfinished Oils (net)	—	-170	—	—	—	-170	—	—	-168
Naphthas and Lighter	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	-170	—	—	—	-170	—	—	-170
Heavy Gas Oils	—	—	—	—	—	—	—	—	2
Residuum	—	—	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net)	15,919	7,217	2,464	7,657	1,162	34,419	5,162	38,113	220,041
Reformulated - RBOB	6,511	5,574	—	13	—	12,098	—	27,898	71,157
Conventional	9,408	1,643	2,464	7,644	1,162	22,321	5,162	10,215	148,884
CBOB	9,408	-2,896	1,519	7,644	1,157	16,832	5,161	10,079	133,556
GTAB	—	—	—	—	—	—	—	—	4,129
Other	—	4,539	945	—	5	5,489	1	136	11,199
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—	—	—
Total Input	17,815	9,698	2,874	8,698	1,310	40,395	5,870	43,134	250,718

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, September 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	88,244	5,912	94,156	44,314	8,669	13,594	66,577
Reformulated	35,582	56	35,638	7,798	1,302	981	10,081
Reformulated Blended with Fuel Ethanol	35,581	56	35,637	7,798	1,302	981	10,081
Reformulated Other	1	-	1	-	-	-	-
Conventional	52,662	5,856	58,518	36,516	7,367	12,613	56,496
Conventional Blended with Fuel Ethanol	53,431	5,856	59,287	37,099	7,750	12,657	57,506
Ed55 and Lower	53,373	5,856	59,229	37,080	7,716	12,561	57,357
Greater than Ed55	58	-	58	19	34	96	149
Conventional Other	-769	-	-769	-583	-383	-44	-1,010
Finished Aviation Gasoline	-	-5	-5	-	-	-	-
Kerosene-Type Jet Fuel	0	-	0	-23	-2	-2	-27
Kerosene	-	-	-	-	-	-	-
Distillate Fuel Oil	217	32	249	130	175	63	368
15 ppm sulfur and under	217	32	249	130	175	65	370
Greater than 15 ppm to 500 ppm sulfur	23	-	23	-	-	105	105
Greater than 500 ppm sulfur	-23	-	-23	-	-	-107	-107
Residual Fuel Oil	-20	-	-20	-	-	-1	-1
Less than 0.31 percent sulfur	-7	-	-7	-	-	-	-
0.31 to 1.00 percent sulfur	-	-	-	-	-	-1	-1
Greater than 1.00 percent sulfur	-13	-	-13	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	14	-	14	2	2	7	11
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	88,455	5,939	94,394	44,423	8,844	13,661	66,928
Processing Gain(-) or Loss(+) ¹	-2	0	-2	1	-1	-1	-1

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	17,800	9,819	2,873	8,685	1,298	40,475	5,849	42,629	249,686
Reformulated	7,151	6,222	-	-	-	13,373	-	31,126	90,218
Reformulated Blended with Fuel Ethanol	7,150	6,220	-	-	-	13,370	-	31,126	90,214
Reformulated Other	1	2	-	-	-	3	-	-	4
Conventional	10,649	3,597	2,873	8,685	1,298	27,102	5,849	11,503	159,468
Conventional Blended with Fuel Ethanol	10,829	1,566	2,841	9,271	1,358	25,865	6,229	13,233	162,120
Ed55 and Lower	10,815	1,566	2,841	9,254	1,357	25,833	6,209	13,229	161,857
Greater than Ed55	14	-	-	17	1	32	20	4	263
Conventional Other	-180	2,031	32	-586	-60	1,237	-380	-1,730	-2,652
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-5
Kerosene-Type Jet Fuel	0	13	11	-	0	24	86	-1	82
Kerosene	-	-13	2	-	-	-11	-	5	-6
Distillate Fuel Oil	12	-91	-12	13	12	-66	-67	498	982
15 ppm sulfur and under	12	49	-12	13	12	74	-67	492	1,118
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	128
Greater than 500 ppm sulfur	-	-140	-	-	-	-140	-	6	-264
Residual Fuel Oil	-	-30	-	-	-	-30	-	0	-51
Less than 0.31 percent sulfur	-	-	-	-	-	-	-	68	61
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-	-	-1
Greater than 1.00 percent sulfur	-	-30	-	-	-	-30	-	-68	-111
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-	-	-	-	-	-	25
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	17,812	9,698	2,874	8,698	1,310	40,392	5,868	43,131	250,713
Processing Gain(-) or Loss(+) ¹	3	0	0	0	0	3	2	3	5

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	5,257	599	5,856	8,923	1,767	1,848	12,538
Petroleum Products	9,734	2,116	11,850	31,111	6,622	10,274	48,007
Hydrocarbon Gas Liquids	514	54	568	2,975	435	1,052	4,462
Natural Gas Liquids	296	54	350	1,680	390	1,040	3,110
Ethane	—	—	—	—	—	—	—
Propane	85	1	86	579	20	523	1,122
Normal Butane	158	45	203	684	322	235	1,241
Isobutane	53	8	61	305	48	135	488
Natural Gasoline	—	—	—	112	—	147	259
Refinery Olefins	218	0	218	1,295	45	12	1,352
Ethylene	—	—	—	—	—	—	—
Propylene	145	0	145	361	11	12	384
Normal Butylene	64	0	64	934	34	0	968
Isobutylene	9	0	9	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	194	102	296	66	46	27	139
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	194	102	296	56	46	27	129
Fuel Ethanol	194	96	290	33	38	23	94
Renewable Diesel Fuel ²	—	6	6	23	8	4	35
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	10	—	—	10
Unfinished Oils	3,635	442	4,077	8,530	853	3,667	13,050
Naphthas and Lighter	445	298	743	2,322	176	1,017	3,515
Kerosene and Light Gas Oils	729	—	729	1,531	333	402	2,266
Heavy Gas Oils	1,556	137	1,693	3,261	343	1,441	5,045
Residuum	905	7	912	1,416	1	807	2,224
Motor Gasoline Blending Components (MGBC)	2,761	304	3,065	8,888	1,936	2,779	13,603
Reformulated - RBOB	981	—	981	924	—	—	924
Conventional	1,780	304	2,084	7,964	1,936	2,779	12,679
CBOB	147	199	346	3,298	1,098	1,752	6,148
GTAB	—	—	—	—	—	—	—
Other	1,633	105	1,738	4,666	838	1,027	6,531
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	29	29	799	86	226	1,111
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	29	29	799	86	226	1,111
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	29	29	799	86	226	1,111
Finished Aviation Gasoline	—	—	—	—	33	—	33
Kerosene-Type Jet Fuel	448	—	448	1,466	281	256	2,003
Kerosene	173	6	179	144	—	16	160
Distillate Fuel Oil	1,155	217	1,372	3,730	647	1,463	5,840
15 ppm sulfur and under	766	139	905	3,537	590	1,327	5,454
Greater than 15 ppm to 500 ppm sulfur	80	63	143	—	1	94	95
Greater than 500 ppm sulfur	309	15	324	193	56	42	291
Residual Fuel Oil	252	17	269	550	282	83	915
Less than 0.31 percent sulfur	—	16	16	76	—	—	76
0.31 to 1.00 percent sulfur	58	1	59	125	60	29	214
Greater than 1.00 percent sulfur	194	—	194	349	222	54	625
Petrochemical Feedstocks	—	—	—	508	—	—	508
Naphtha for Petro. Feed. Use	—	—	—	409	—	—	409
Other Oils for Petro. Feed. Use	—	—	—	99	—	—	99
Special Naphthas	—	23	23	36	—	14	50
Lubricants	492	308	800	—	—	237	237
Waxes	—	249	249	—	—	41	41
Petroleum Coke	—	—	—	480	800	130	1,410
Marketable	—	—	—	480	800	130	1,410
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	98	335	433	2,847	1,209	280	4,336
Miscellaneous Products	12	30	42	92	14	3	109
Total Stocks, All Oils	14,991	2,715	17,706	40,034	8,389	12,122	60,545

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	2,158	24,772	16,989	1,262	328	45,509	2,459	20,705	87,067
Petroleum Products	10,752	62,205	46,786	3,787	1,366	124,896	10,614	48,786	244,153
Hydrocarbon Gas Liquids	3,793	2,402	1,807	13	135	8,150	541	1,511	15,232
Natural Gas Liquids	3,024	2,047	1,622	12	135	6,840	431	1,466	12,197
Ethane	9	1	—	—	—	10	—	—	10
Propane	291	216	82	1	3	593	51	84	1,936
Normal Butane	2,347	1,533	815	8	100	4,803	271	1,043	7,561
Isobutane	264	282	445	3	14	1,008	93	335	1,985
Natural Gasoline	113	15	280	—	18	426	16	4	705
Refinery Olefins	769	355	185	1	0	1,310	110	45	3,035
Ethylene	0	0	—	—	—	0	—	—	0
Propylene	622	32	120	1	0	775	3	13	1,320
Normal Butylene	147	322	42	0	0	511	107	32	1,682
Isobutylene	0	1	23	0	0	24	0	0	33
Oxygenates/Renewable Fuels/Other Hydrocarbons	36	58	140	55	6	295	142	869	1,741
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	36	58	140	55	6	295	142	869	1,731
Fuel Ethanol	30	38	72	31	3	174	134	193	885
Renewable Diesel Fuel ²	6	20	68	24	3	121	8	461	631
Other Renewable Fuels	—	—	—	—	—	—	—	215	215
Other Hydrocarbons	—	—	—	—	—	—	—	—	10
Unfinished Oils	2,223	23,641	16,356	1,025	539	43,784	2,938	17,816	81,665
Naphthas and Lighter	759	6,039	2,137	269	227	9,431	609	2,943	17,241
Kerosene and Light Gas Oils	490	3,615	2,294	230	119	6,748	622	3,272	13,637
Heavy Gas Oils	531	11,197	8,920	460	193	21,301	1,381	8,093	37,513
Residuum	443	2,790	3,005	66	—	6,304	326	3,508	13,274
Motor Gasoline Blending Components (MGBC)	2,542	13,590	11,499	317	364	28,312	3,004	13,951	61,935
Reformulated - RBOB	124	1,221	98	—	41	1,484	—	4,866	8,255
Conventional	2,418	12,369	11,401	317	323	26,828	3,004	9,085	53,680
CBOB	1,234	3,385	5,914	228	123	10,884	1,545	2,948	21,871
GTAB	—	—	—	—	—	—	—	—	—
Other	1,184	8,984	5,487	89	200	15,944	1,459	6,137	31,809
Aviation Gasoline Blending Components	12	—	9	—	—	21	—	—	21
Finished Motor Gasoline	145	2,140	2,004	9	—	4,298	734	576	6,748
Reformulated	—	—	—	—	—	—	—	20	20
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	20	20
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	145	2,140	2,004	9	—	4,298	734	556	6,728
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	61	—	61
Ed55 and Lower	—	—	—	—	—	—	61	—	61
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	145	2,140	2,004	9	—	4,298	673	556	6,667
Finished Aviation Gasoline	29	173	102	—	—	304	7	151	495
Kerosene-Type Jet Fuel	313	3,091	2,356	66	—	5,826	317	3,889	12,483
Kerosene	22	—	60	5	—	87	2	2	430
Distillate Fuel Oil	833	7,235	6,203	392	136	14,799	1,690	5,262	28,963
15 ppm sulfur and under	807	6,120	4,899	260	136	12,222	1,522	4,734	24,837
Greater than 15 ppm to 500 ppm sulfur	26	179	593	10	—	808	100	255	1,401
Greater than 500 ppm sulfur	—	936	711	122	—	1,769	68	273	2,725
Residual Fuel Oil	119	1,765	1,306	17	51	3,258	197	2,037	6,676
Less than 0.31 percent sulfur	21	—	44	—	—	65	26	20	203
0.31 to 1.00 percent sulfur	46	168	290	17	—	521	4	135	933
Greater than 1.00 percent sulfur	52	1,597	972	—	51	2,672	167	1,882	5,540
Petrochemical Feedstocks	114	1,446	889	3	—	2,452	—	2	2,962
Naphtha for Petro. Feed. Use	33	910	858	3	—	1,804	—	2	2,215
Other Oils for Petro. Feed. Use	81	536	31	—	—	648	—	—	747
Special Naphthas	104	679	—	99	—	882	—	40	995
Lubricants	26	2,048	2,475	820	—	5,369	—	617	7,023
Waxes	—	57	75	69	—	201	—	—	491
Petroleum Coke	31	3,492	951	—	—	4,474	238	1,348	7,470
Marketable	31	3,492	951	—	—	4,474	238	1,348	7,470
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	399	158	468	896	113	2,034	787	634	8,224
Miscellaneous Products	11	230	86	1	22	350	17	81	599
Total Stocks, All Oils	12,910	86,977	63,775	5,049	1,694	170,405	13,073	69,491	331,220

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, September 2021

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	2.2	0.9	2.0	3.3	2.1	2.0	2.9
Finished Motor Gasoline ¹	54.0	33.5	51.5	52.9	55.0	50.4	52.6
Finished Aviation Gasoline ²	—	—	—	—	0.2	—	0.0
Kerosene-Type Jet Fuel	10.1	—	8.8	7.9	4.9	3.4	6.6
Kerosene	0.9	0.1	0.8	0.2	—	—	0.2
Distillate Fuel Oil ³	22.1	28.2	22.9	25.4	27.6	38.3	28.5
Residual Fuel Oil	7.1	0.1	6.2	1.1	0.9	0.4	0.9
Naphtha for Petro. Feed. Use	—	—	—	0.9	—	—	0.6
Other Oils for Petro. Feed. Use	—	—	—	0.5	—	0.1	0.4
Special Naphthas	—	0.5	0.1	-0.1	—	0.1	0.0
Lubricants	0.8	7.8	1.6	—	—	1.0	0.2
Waxes	—	-0.2	0.0	—	—	0.2	0.0
Petroleum Coke	3.4	0.7	3.0	5.6	6.3	3.5	5.2
Asphalt and Road Oil	1.5	24.8	4.4	4.4	7.7	0.9	4.0
Still Gas	4.2	1.8	3.9	3.5	3.9	4.1	3.7
Miscellaneous Products	0.3	1.6	0.4	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-6.4	0.0	-5.6	-6.0	-9.4	-4.5	-6.1

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	5.0	5.6	5.1	0.4	0.9	5.2	2.1	2.5	3.9
Finished Motor Gasoline ¹	51.8	44.0	45.1	30.7	51.0	44.7	47.6	51.2	48.1
Finished Aviation Gasoline ²	0.5	0.1	0.1	—	—	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	6.7	7.9	9.3	2.4	—	8.0	5.8	15.7	8.7
Kerosene	0.0	0.2	0.0	0.2	—	0.1	0.0	0.0	0.1
Distillate Fuel Oil ³	30.0	31.8	31.1	35.4	39.9	31.7	32.1	21.4	28.9
Residual Fuel Oil	1.6	0.0	0.2	-0.5	2.8	0.2	1.8	3.3	1.2
Naphtha for Petro. Feed. Use	0.6	2.5	1.7	—	—	2.0	—	—	1.2
Other Oils for Petro. Feed. Use	0.0	1.6	1.0	—	—	1.2	—	—	0.7
Special Naphthas	0.3	0.5	—	2.7	—	0.4	—	0.1	0.2
Lubricants	0.0	1.3	2.4	12.1	—	1.8	—	0.9	1.2
Waxes	—	0.0	0.1	0.3	—	0.1	—	—	0.0
Petroleum Coke	2.2	5.5	5.2	2.2	0.7	4.9	3.7	5.7	5.0
Asphalt and Road Oil	1.0	0.3	0.6	15.1	2.4	0.9	6.4	1.2	2.1
Still Gas	4.1	4.3	3.5	3.7	2.3	4.0	3.9	5.1	4.1
Miscellaneous Products	0.7	0.6	0.5	0.0	2.0	0.6	0.6	0.5	0.5
Processing Gain(-) or Loss(+) ⁴	-4.4	-6.2	-5.7	-4.9	-1.8	-5.8	-4.1	-7.6	-6.0

— = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, September 2021
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil		
	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	266	719	985
Connecticut	—	—	—
Delaware	—	—	—
Florida	191	67	258
Georgia	—	—	—
Maine	—	—	—
Maryland	—	—	—
Massachusetts	—	—	—
New Hampshire	—	—	—
New Jersey	75	318	393
New York	—	334	334
North Carolina	—	—	—
Pennsylvania	—	—	—
Rhode Island	—	—	—
South Carolina	—	—	—
Vermont	—	—	—
Virginia	—	—	—
West Virginia	—	—	—
PAD District 2	14	69	83
Illinois	—	—	—
Indiana	—	—	—
Michigan	—	69	69
Minnesota	6	—	6
North Dakota	8	—	8
Ohio	—	—	—
Wisconsin	—	—	—
PAD District 3	149	3,839	3,988
Alabama	—	—	—
Louisiana	—	590	590
Mississippi	—	514	514
New Mexico	—	—	—
Texas	149	2,735	2,884
PAD District 4	—	—	—
Idaho	—	—	—
Montana	—	—	—
PAD District 5	236	304	540
Alaska	—	—	—
California	111	268	379
Hawaii	—	—	—
Oregon	—	—	—
Washington	125	36	161
U.S. Total	665	4,931	5,596

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, September 2021
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	16,960	75,724	53,494	9,748	39,858	195,784	6,526
Hydrocarbon Gas Liquids	794	1,522	—	377	1,407	4,100	137
Natural Gas Liquids	560	1,346	—	377	1,407	3,690	123
Ethane	—	—	—	—	—	—	—
Propane	390	948	—	349	647	2,334	78
Normal Butane	170	279	—	26	760	1,235	41
Isobutane	—	115	—	2	—	117	4
Natural Gasoline	—	4	—	—	—	4	0
Refinery Olefins	234	176	—	—	—	410	14
Ethylene	—	—	—	—	—	—	—
Propylene	234	154	—	—	—	388	13
Normal Butylene	—	22	—	—	—	22	1
Isobutylene	—	—	—	—	—	—	—
Other Liquids	21,015	575	14,640	209	3,552	39,991	1,333
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	65	121	132	7	983	1,308	44
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	65	121	128	7	983	1,304	43
Fuel Ethanol	—	—	—	—	250	250	8
Biodiesel	65	121	128	7	97	418	14
Other Renewable Diesel Fuel	—	—	—	—	636	636	21
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	4	—	—	4	0
Unfinished Oils ¹	1,298	—	12,892	146	1,831	16,167	539
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Lighter Gas Oils	—	—	—	73	—	73	2
Heavy Gas Oils	1,298	—	6,564	73	1,831	9,766	326
Residuum	—	—	6,328	—	—	6,328	211
Motor Gasoline Blend Comp. (MGBC)	19,652	454	1,616	56	738	22,516	751
Reformulated - RBOB	6,170	—	—	—	—	6,170	206
Conventional	13,482	454	1,616	56	738	16,346	545
CBOB	694	100	—	—	—	794	26
GTAB	4,641	—	—	—	158	4,799	160
Other	8,147	354	1,616	56	580	10,753	358
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	14,212	1,053	5,593	294	6,904	28,056	935
Finished Motor Gasoline	3,280	—	—	—	1,136	4,416	147
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	3,280	—	—	—	1,136	4,416	147
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	3,280	—	—	—	1,136	4,416	147
Finished Aviation Gasoline	33	2	—	—	—	35	1
Kerosene-Type Jet Fuel	2,175	—	—	—	4,473	6,648	222
Bonded Aircraft Fuel	225	—	—	—	562	787	26
Other	1,950	—	—	—	3,911	5,861	195
Kerosene	252	—	—	—	—	252	8
Distillate Fuel Oil	5,752	133	—	240	606	6,731	224
15 ppm sulfur and under	5,750	131	—	240	606	6,727	224
Bonded	—	—	—	—	—	—	—
Other	5,750	131	—	240	606	6,727	224
Greater than 15 ppm to 500 ppm sulfur	2	—	—	—	—	2	0
Bonded	—	—	—	—	—	—	—
Other	2	—	—	—	—	2	0
Greater than 500 ppm to 2000 ppm sulfur	—	2	—	—	—	2	0
Bonded	—	—	—	—	—	—	—
Other	—	2	—	—	—	2	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	985	83	3,988	—	540	5,596	187
Less than 0.31 percent sulfur	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	266	14	149	—	236	665	22
Greater than 1.00 percent sulfur	719	69	3,839	—	304	4,931	164
Petrochemical Feedstocks	274	79	271	—	—	624	21
Naphtha for Petro. Feed. Use	274	38	252	—	—	564	19
Other Oils for Petro. Feed. Use	—	41	19	—	—	60	2
Special Naphthas	3	14	453	—	—	470	16
Lubricants	144	193	661	—	79	1,077	36
Waxes	110	17	45	—	32	204	7
Petroleum Coke (Marketable)	—	33	175	—	—	208	7
Asphalt and Road Oil	1,204	499	—	53	38	1,794	60
Miscellaneous Products	—	—	—	1	—	1	0
Total	52,981	78,874	73,727	10,628	51,721	267,931	8,931

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-September 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	152,858	684,713	417,286	81,950	319,003	1,655,810	6,065
Hydrocarbon Gas Liquids	10,326	19,602	54	3,836	12,334	46,152	169
Natural Gas Liquids	7,947	17,516	—	3,836	12,334	41,633	153
Ethane	—	—	—	—	—	—	—
Propane	7,132	11,975	—	3,154	7,433	29,694	109
Normal Butane	646	3,815	—	616	4,895	9,972	37
Isobutane	169	1,673	—	66	6	1,914	7
Natural Gasoline	—	53	—	—	—	53	0
Refinery Olefins	2,379	2,086	54	—	—	4,519	17
Ethylene	—	—	—	—	—	—	—
Propylene	2,379	1,565	—	—	—	3,944	14
Normal Butylene	—	501	54	—	—	555	2
Isobutylene	—	20	—	—	—	20	0
Other Liquids	181,812	3,643	147,184	879	40,412	373,930	1,370
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,152	817	286	275	9,085	11,615	43
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,152	817	232	275	9,085	11,561	42
Fuel Ethanol	—	—	—	—	1,196	1,196	4
Biodiesel	1,152	817	182	275	750	3,176	12
Other Renewable Diesel Fuel	—	—	50	—	7,112	7,162	26
Other Renewable Fuels	—	—	—	—	27	27	0
Other Hydrocarbons	—	—	54	—	—	54	0
Unfinished Oils ¹	16,359	—	124,375	181	16,936	157,851	578
Naphthas and Lighter	3,077	—	104	—	346	3,527	13
Kerosene and Lighter Gas Oils	—	—	113	103	122	338	1
Heavy Gas Oils	13,282	—	49,928	78	16,148	79,436	291
Residuum	—	—	74,230	—	320	74,550	273
Motor Gasoline Blend Comp. (MGBC)	164,301	2,826	22,523	423	14,391	204,464	749
Reformulated - RBOB	58,705	—	307	—	901	59,913	219
Conventional	105,596	2,826	22,216	423	13,490	144,551	529
CBOB	8,086	360	378	—	1,499	10,323	38
GTAB	33,795	153	617	—	2,234	36,799	135
Other	63,715	2,313	21,221	423	9,757	97,429	357
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	128,310	13,363	52,552	2,536	47,077	243,838	893
Finished Motor Gasoline	26,255	100	1,314	—	7,252	34,921	128
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	26,255	100	1,314	—	7,252	34,921	128
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	26,255	100	1,314	—	7,252	34,921	128
Finished Aviation Gasoline	106	36	174	33	11	360	1
Kerosene-Type Jet Fuel	15,299	37	—	448	27,578	43,362	159
Bonded Aircraft Fuel	344	—	—	—	3,493	3,837	14
Other	14,955	37	—	448	24,085	39,525	145
Kerosene	256	—	—	—	—	256	1
Distillate Fuel Oil	66,161	1,928	1,486	1,530	5,794	76,899	282
15 ppm sulfur and under	66,144	1,903	1,086	1,530	4,540	75,203	275
Bonded	145	—	—	—	—	145	1
Other	65,999	1,903	1,086	1,530	4,540	75,058	275
Greater than 15 ppm to 500 ppm sulfur	17	10	—	—	1,254	1,281	5
Bonded	—	—	—	—	—	—	—
Other	17	10	—	—	1,254	1,281	5
Greater than 500 ppm to 2000 ppm sulfur	—	15	400	—	—	415	2
Bonded	—	—	—	—	—	—	—
Other	—	15	400	—	—	415	2
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	9,889	1,523	31,578	—	5,197	48,187	177
Less than 0.31 percent sulfur	200	—	1,566	—	—	1,766	6
0.31 to 1.00 percent sulfur	2,751	587	1,619	—	2,592	7,549	28
Greater than 1.00 percent sulfur	6,938	936	28,393	—	2,605	38,872	142
Petrochemical Feedstocks	750	1,200	3,028	—	219	5,197	19
Naphtha for Petro. Feed. Use	739	639	2,643	—	219	4,240	16
Other Oils for Petro. Feed. Use	11	561	385	—	—	957	4
Special Naphthas	27	71	2,859	—	—	2,957	11
Lubricants	1,439	1,893	9,205	—	287	12,824	47
Waxes	924	156	410	—	223	1,713	6
Petroleum Coke (Marketable)	78	268	2,400	—	—	2,746	10
Asphalt and Road Oil	7,125	6,151	98	516	516	14,406	53
Miscellaneous Products	1	—	—	9	—	10	0
Total	473,306	721,321	617,076	89,201	418,826	2,319,730	8,497

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	25,798	-	-	1,764	-	318	318	-	464	464
Algeria	-	-	-	549	-	-	-	-	-	-
Angola	855	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	858	-	-	351	-	-	-	-	-	-
Kuwait	1,377	-	-	49	-	-	-	-	-	-
Libya	2,888	-	-	-	-	-	-	-	-	-
Nigeria	3,023	-	-	-	-	-	-	-	306	306
Saudi Arabia	14,736	-	-	815	-	318	318	-	158	158
United Arab Emirates	2,061	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	169,986	3,690	410	14,403	-	4,098	4,098	6,170	15,882	22,052
Argentina	1,659	-	-	-	-	60	60	-	160	160
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	133	123	256
Brazil	6,279	-	-	27	-	-	-	-	1,020	1,020
Brunei	2,308	-	-	-	-	-	-	-	-	-
Cameroon	140	-	-	-	-	-	-	-	-	-
Canada	113,368	3,634	410	866	-	548	548	2,537	891	3,428
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	3,758	-	-	220	-	-	-	-	-	-
Denmark	-	-	-	-	-	15	15	-	3	3
Ecuador	3,996	-	-	763	-	-	-	-	-	-
Egypt	-	-	-	361	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	429	429
France	-	-	-	-	-	-	-	260	251	511
Germany	-	-	-	-	-	28	28	-	117	117
Guatemala	281	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	2,393	2,393
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	178	178	330	497	827
Korea, South	-	1	-	-	-	913	913	-	118	118
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	290	290
Mexico	20,139	-	-	1,476	-	-	-	-	-	-
Netherlands	-	-	-	-	-	838	838	1,439	1,655	3,094
Norway	1,113	-	-	-	-	406	406	313	376	689
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	63	63	-	1,432	1,432
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	6,254	-	-	9,567	-	187	187	120	1,424	1,544
Spain	-	-	-	8	-	103	103	-	1,418	1,418
Sweden	-	-	-	-	-	-	-	-	917	917
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,869	-	-	-	-	-	-	-	-	-
United Kingdom	805	-	-	23	-	337	337	1,038	1,155	2,193
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	6	6	-	6	6
Yemen	-	-	-	-	-	-	-	-	-	-
Other	8,017	55	0	1,092	-	416	416	0	1,207	1,207
Total	195,784	3,690	410	16,167	-	4,416	4,416	6,170	16,346	22,516
Persian Gulf³	19,032	-	-	1,215	-	318	318	-	158	158

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	898	-	-	-	898
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	637	-	-	-	637
Saudi Arabia	--	--	-	-	-	-	199	-	-	-	199
United Arab Emirates	--	--	-	-	-	-	62	-	-	-	62
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	250	418	636	-	5,829	2	2	-	5,833
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	479	-	-	-	479
Brazil	--	--	250	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	241	-	-	2,623	2	2	-	2,627
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	74	-	-	-	74
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	262	-	-	-	262
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	49	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	1,155	-	-	-	1,155
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	516	-	-	-	516
Russia	--	--	-	-	-	-	720	-	-	-	720
Spain	--	--	-	128	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	636	-	0	0	0	-	0
Total	--	--	250	418	636	-	6,727	2	2	-	6,731
Persian Gulf³	--	--	-	-	-	-	777	-	-	-	777

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	286	80	—	—	—	—
Algeria	—	—	—	104	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	93	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	89	80	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	252	35	—	6,362	390	—	665	4,931	5,596
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,148	1,148
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	63	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3	—	113	98	—	214	625	839
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	62	62
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	193	193
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	1,386	45	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	3,882	184	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	340	2,371	2,711
Netherlands	—	32	—	—	—	—	—	9	9
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	111	338	449
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	252	0	—	981	0	—	0	183	183
Total	252	35	—	6,648	470	—	665	4,931	5,596
Persian Gulf⁶	—	—	—	182	80	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	3,810	29,608	860	127	987
Algeria	—	—	—	—	—	—	—	653	653	—	22	22
Angola	—	—	—	—	—	—	—	—	855	29	—	29
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	351	1,209	29	12	40
Kuwait	—	—	—	—	—	—	—	142	1,519	46	5	51
Libya	—	—	—	—	—	—	—	—	2,888	96	—	96
Nigeria	—	—	—	—	—	—	—	943	3,966	101	31	132
Saudi Arabia	—	—	—	—	—	—	—	1,659	16,395	491	55	547
United Arab Emirates	—	—	—	—	—	—	—	62	2,123	69	2	71
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	564	60	204	208	1,794	1,077	1	68,337	238,323	5,666	2,278	7,944
Argentina	101	—	—	—	—	3	—	324	1,983	55	11	66
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,148	1,148	—	38	38
Bahrain	—	—	—	—	—	75	—	75	75	—	3	3
Belgium	18	—	—	—	—	3	—	756	756	—	25	25
Brazil	—	—	—	174	—	—	—	1,534	7,813	209	51	260
Brunei	—	—	—	—	—	—	—	—	2,308	77	—	77
Cameroon	—	—	—	—	—	—	—	—	140	5	—	5
Canada	41	60	97	33	1,641	265	1	14,945	128,313	3,779	498	4,277
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	27	—	—	—	—	27	27	—	1	1
Colombia	—	—	—	—	104	—	—	460	4,218	125	15	141
Denmark	—	—	—	—	—	—	—	18	18	—	1	1
Ecuador	—	—	—	—	—	—	—	956	4,952	133	32	165
Egypt	—	—	—	—	—	—	—	361	361	—	12	12
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	429	429	—	14	14
France	—	—	—	—	—	8	—	519	519	—	17	17
Germany	19	—	—	—	—	11	—	177	177	—	6	6
Guatemala	—	—	—	—	—	—	—	—	281	9	—	9
India	—	—	—	—	—	—	—	4,086	4,086	—	136	136
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	9	—	1,014	1,014	—	34	34
Korea, South	—	—	—	—	—	241	—	5,388	5,388	—	180	180
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	25	—	—	—	—	315	315	—	11	11
Mexico	98	—	—	—	—	—	—	4,285	24,424	671	143	814
Netherlands	55	—	—	—	—	25	—	5,208	5,208	—	174	174
Norway	—	—	—	—	—	—	—	1,095	2,208	37	37	74
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	1,495	1,495	—	50	50
Qatar	—	—	—	—	—	365	—	881	881	—	29	29
Russia	95	—	—	—	—	71	—	12,633	18,887	208	421	630
Spain	—	—	3	—	—	—	—	1,660	1,660	—	55	55
Sweden	—	—	—	—	—	—	—	917	917	—	31	31
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,869	62	—	62
United Kingdom	20	—	—	—	—	—	—	2,573	3,378	27	86	113
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	12	12	—	0	0
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	117	0	52	1	49	1	0	5,046	13,063	269	167	434
Total	564	60	204	208	1,794	1,077	1	72,147	267,931	6,526	2,405	8,931
Persian Gulf³	—	—	—	—	—	440	—	3,170	22,202	634	106	740

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	209,070	554	-	14,409	-	1,276	1,276	1,096	11,011	12,107
Algeria	5,918	-	-	3,092	-	-	-	-	326	326
Angola	9,586	-	-	323	-	-	-	-	647	647
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	410	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	6	6
Iran	1,033	-	-	-	-	-	-	-	-	-
Iraq	37,739	-	-	1,917	-	-	-	-	-	-
Kuwait	5,768	-	-	49	-	-	-	-	-	-
Libya	24,759	-	-	176	-	-	-	-	-	-
Nigeria	30,994	144	-	101	-	40	40	-	2,692	2,692
Saudi Arabia	89,218	-	-	6,998	-	1,236	1,236	1,096	6,351	7,447
United Arab Emirates	4,055	-	-	1,753	-	-	-	-	989	989
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,446,740	41,079	4,519	143,442	-	33,645	33,645	58,817	133,540	192,357
Argentina	6,889	55	-	12	-	143	143	-	696	696
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	1,416	-	923	923	2,636	3,815	6,451
Brazil	26,780	-	-	27	-	512	512	-	6,958	6,958
Brunei	7,178	-	-	-	-	-	-	-	-	-
Cameroon	1,475	-	-	-	-	-	-	-	-	-
Canada	1,014,484	40,637	4,465	2,046	-	5,657	5,657	28,261	10,600	38,861
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	47,715	-	-	220	-	-	-	-	3	3
Denmark	-	-	-	-	-	79	79	123	96	219
Ecuador	40,745	-	-	3,854	-	-	-	-	-	-
Egypt	-	-	-	6,923	-	-	-	-	-	-
Estonia	-	-	-	126	-	-	-	-	-	-
Finland	-	-	-	104	-	278	278	-	6,101	6,101
France	-	-	-	299	-	159	159	3,175	3,861	7,036
Germany	-	-	-	172	-	192	192	13	639	652
Guatemala	843	-	-	-	-	-	-	-	-	-
India	-	-	-	160	-	1,279	1,279	-	17,663	17,663
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	724	-	2,211	2,211	387	7,887	8,274
Korea, South	-	5	-	84	-	3,550	3,550	-	5,278	5,278
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	422	422	-	678	678
Malaysia	-	-	-	379	-	-	-	-	290	290
Mexico	166,106	-	54	12,934	-	-	-	-	435	435
Netherlands	-	-	-	488	-	5,799	5,799	11,403	14,064	25,467
Norway	11,163	253	-	916	-	853	853	3,565	2,160	5,725
Oman	-	-	-	-	-	-	-	-	33	33
Portugal	-	-	-	-	-	337	337	1,988	6,949	8,937
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	57,973	-	-	103,262	-	5,183	5,183	434	13,897	14,331
Spain	-	-	-	8	-	759	759	57	7,044	7,101
Sweden	-	-	-	125	-	169	169	175	3,123	3,298
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	11,454	74	-	-	-	-	-	-	-	-
United Kingdom	12,165	-	-	1,342	-	1,033	1,033	6,147	6,457	12,604
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	2,624	-	460	460	-	1,831	1,831
Yemen	-	-	-	-	-	-	-	-	-	-
Other	41,770	55	0	5,197	-	3,647	3,647	453	12,982	13,435
Total	1,655,810	41,633	4,519	157,851	-	34,921	34,921	59,913	144,551	204,464
Persian Gulf³	137,813	-	-	10,717	-	1,236	1,236	1,096	7,340	8,436

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	8,352	-	-	-	8,352
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	24	-	-	-	24
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	118	-	-	-	118
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	2,886	-	-	-	2,886
Saudi Arabia	--	--	-	-	-	-	3,890	-	-	-	3,890
United Arab Emirates	--	--	-	-	-	-	1,434	-	-	-	1,434
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	1,196	3,176	7,162	27	66,851	1,281	415	-	68,547
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	308	-	-	-	308
Belgium	--	--	-	-	-	-	4,200	-	-	-	4,200
Brazil	--	--	1,196	-	-	-	41	-	-	-	41
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	2,205	-	27	34,529	27	15	-	34,571
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	4,970	-	-	-	4,970
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	204	-	-	-	204
France	--	--	-	-	-	-	265	-	-	-	265
Germany	--	--	-	434	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	3,957	-	-	-	3,957
Indonesia	--	--	-	-	-	-	143	-	-	-	143
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	355	-	-	1,169	1,254	-	-	2,423
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	71	-	-	-	71
Netherlands	--	--	-	-	-	-	5,353	-	-	-	5,353
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	1,581	-	-	-	1,581
Portugal	--	--	-	-	-	-	258	-	-	-	258
Qatar	--	--	-	-	-	-	2,545	-	-	-	2,545
Russia	--	--	-	-	-	-	5,487	-	-	-	5,487
Spain	--	--	-	182	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	97	-	-	-	97
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	814	-	400	-	1,214
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	7,162	0	859	0	0	-	859
Total	--	--	1,196	3,176	7,162	27	75,203	1,281	415	-	76,899
Persian Gulf³	--	--	-	-	-	-	8,295	-	-	-	8,295

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	5,743	281	—	390	645	1,035
Algeria	—	—	—	1,057	—	—	37	—	37
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	256	—	256
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	97	—	97
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	1,573	—	—	—	608	608
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	66	—	—	—	—	—
Saudi Arabia	—	—	—	670	281	—	—	37	37
United Arab Emirates	—	—	—	2,377	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	256	360	—	37,619	2,676	1,766	7,159	38,227	47,152
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	101	2,051	2,152
Bahrain	—	—	—	—	—	—	—	235	235
Belgium	—	—	—	287	—	2	—	8	10
Brazil	—	—	—	—	169	—	255	1,379	1,634
Brunei	—	—	—	313	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	4	89	—	3,698	590	582	1,581	4,104	6,267
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	606	—	—	—	—	—
Colombia	—	—	—	125	—	—	—	935	935
Denmark	—	—	—	—	—	—	39	—	39
Ecuador	—	—	—	—	—	—	—	1,620	1,620
Egypt	—	—	—	—	—	—	10	1,703	1,713
Estonia	—	76	—	—	—	—	192	—	192
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	309	—	—	—	—	—
Germany	—	—	—	—	—	—	12	98	110
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	3,818	179	—	—	728	728
Indonesia	—	—	—	2	—	—	—	—	—
Italy	—	—	—	1,063	—	—	2	264	266
Korea, South	—	—	—	22,575	1,185	—	—	6	6
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	36	—	412	17,160	17,572
Netherlands	—	195	—	300	19	—	212	538	750
Norway	—	—	—	—	—	—	—	129	129
Oman	—	—	—	2	—	—	—	—	—
Portugal	—	—	—	50	—	—	—	—	—
Qatar	—	—	—	1	—	—	—	—	—
Russia	—	—	—	—	—	807	2,658	4,946	8,411
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	45	—	45
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	426	—	375	923	21	1,319
Yemen	—	—	—	—	—	—	—	—	—
Other	252	0	—	4,044	498	0	717	2,302	3,019
Total	256	360	—	43,362	2,957	1,766	7,549	38,872	48,187
Persian Gulf³	—	—	—	4,621	281	—	—	880	880

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	50	—	—	451	—	1,307	—	45,565	254,635	766	167	933
Algeria	—	—	—	—	—	—	—	4,512	10,430	22	17	38
Angola	—	—	—	—	—	—	—	970	10,556	35	4	39
Congo (Brazzaville)	—	—	—	—	—	—	—	256	256	—	1	1
Equatorial Guinea	—	—	—	—	—	—	—	410	410	—	2	2
Gabon	—	—	—	—	—	—	—	127	127	—	0	0
Iran	—	—	—	—	—	—	—	—	1,033	4	—	4
Iraq	—	—	—	—	—	—	—	1,917	39,656	138	7	145
Kuwait	—	—	—	157	—	—	—	2,505	8,273	21	9	30
Libya	—	—	—	—	—	—	—	176	24,935	91	1	91
Nigeria	50	—	—	—	—	—	—	5,979	36,973	114	22	135
Saudi Arabia	—	—	—	294	—	128	—	20,981	110,199	327	77	404
United Arab Emirates	—	—	—	—	—	1,179	—	7,732	11,787	15	28	43
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	4,190	957	1,713	2,295	14,406	11,517	10	618,355	2,065,095	5,299	2,265	7,564
Argentina	101	134	—	951	—	24	—	2,116	9,005	25	8	33
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	2,152	2,152	—	8	8
Bahrain	—	—	—	—	—	742	—	1,285	1,285	—	5	5
Belgium	201	—	—	—	—	74	—	13,562	13,562	—	50	50
Brazil	—	—	—	689	—	—	—	11,226	38,006	98	41	139
Brunei	—	—	—	—	—	—	—	313	7,491	26	1	27
Cameroon	—	—	—	—	—	—	—	—	1,475	5	—	5
Canada	676	650	821	268	13,750	2,912	10	158,204	1,172,688	3,716	580	4,296
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	204	—	—	—	—	810	810	—	3	3
Colombia	—	—	—	—	300	—	—	6,553	54,268	175	24	199
Denmark	—	—	—	—	—	—	—	337	337	—	1	1
Ecuador	—	—	—	—	—	—	—	5,474	46,219	149	20	169
Egypt	—	—	—	—	—	—	—	8,636	8,636	—	32	32
Estonia	—	—	—	—	—	—	—	394	394	—	1	1
Finland	45	—	—	—	—	—	—	6,732	6,732	—	25	25
France	11	173	13	—	—	113	—	8,378	8,378	—	31	31
Germany	19	—	—	—	—	95	—	1,674	1,674	—	6	6
Guatemala	—	—	—	—	—	—	—	—	843	3	—	3
India	—	—	—	—	—	—	—	27,784	27,784	—	102	102
Indonesia	46	—	—	—	—	777	—	968	968	—	4	4
Italy	—	—	34	—	41	115	—	12,728	12,728	—	47	47
Korea, South	178	—	4	—	—	2,345	—	37,988	37,988	—	139	139
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	1,100	1,100	—	4	4
Malaysia	—	—	143	—	—	1	—	813	813	—	3	3
Mexico	1,162	—	—	—	—	—	—	32,264	198,370	608	118	727
Netherlands	55	—	21	69	—	897	—	39,446	39,446	—	144	144
Norway	—	—	—	—	—	—	—	7,876	19,039	41	29	70
Oman	—	—	—	114	—	49	—	1,779	1,779	—	7	7
Portugal	—	—	—	—	—	—	—	9,582	9,582	—	35	35
Qatar	—	—	—	—	—	3,124	—	5,670	5,670	—	21	21
Russia	169	—	—	158	—	117	—	137,118	195,091	212	502	715
Spain	—	—	16	—	189	—	—	8,255	8,255	—	30	30
Sweden	—	—	—	7	—	2	—	3,698	3,698	—	14	14
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	74	11,528	42	0	42
United Kingdom	144	—	136	8	—	84	—	15,396	27,561	45	56	101
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	177	—	—	—	—	—	—	8,051	8,051	—	29	29
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,206	0	321	31	126	46	0	39,919	81,689	154	145	297
Total	4,240	957	1,713	2,746	14,406	12,824	10	663,920	2,319,730	6,065	2,432	8,497
Persian Gulf³	—	—	—	451	—	5,173	—	40,090	177,903	505	147	652

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	7,368	-	-	-	-	318	318	-	306	306
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	855	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	1,842	-	-	-	-	-	-	-	-	-
Nigeria	3,023	-	-	-	-	-	-	-	306	306
Saudi Arabia	1,648	-	-	-	-	318	318	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	9,592	560	234	1,298	-	2,962	2,962	6,170	13,176	19,346
Argentina	-	-	-	-	-	60	60	-	160	160
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	133	123	256
Brazil	-	-	-	-	-	-	-	-	941	941
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	140	-	-	-	-	-	-	-	-	-
Canada	4,174	560	234	-	-	325	325	2,537	381	2,918
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	15	15	-	3	3
Ecuador	-	-	-	348	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	429	429
France	-	-	-	-	-	-	-	260	251	511
Germany	-	-	-	-	-	28	28	-	62	62
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	1,931	1,931
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	178	178	330	490	820
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	290	290
Mexico	497	-	-	326	-	-	-	-	-	-
Netherlands	-	-	-	-	-	838	838	1,439	1,655	3,094
Norway	1,113	-	-	-	-	406	406	313	376	689
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	63	63	-	1,432	1,432
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	1,053	-	-	624	-	187	187	120	1,411	1,531
Spain	-	-	-	-	-	103	103	-	811	811
Sweden	-	-	-	-	-	-	-	-	917	917
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	337	337	1,038	861	1,899
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	6	6	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	2,615	0	0	0	-	416	416	0	652	652
Total	16,960	560	234	1,298	-	3,280	3,280	6,170	13,482	19,652
Persian Gulf³	1,648	-	-	-	-	318	318	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	898	-	-	-	898
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	637	-	-	-	637
Saudi Arabia	--	--	-	-	-	-	199	-	-	-	199
United Arab Emirates	--	--	-	-	-	-	62	-	-	-	62
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	65	-	-	4,852	2	-	-	4,854
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	479	-	-	-	479
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	65	-	-	1,646	2	-	-	1,648
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	74	-	-	-	74
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	262	-	-	-	262
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	1,155	-	-	-	1,155
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	516	-	-	-	516
Russia	--	--	-	-	-	-	720	-	-	-	720
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	-	-	0
Total	--	--	-	65	-	-	5,750	2	-	-	5,752
Persian Gulf³	--	--	-	-	-	-	777	-	-	-	777

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	286	—	—	—	—	—
Algeria	—	—	—	104	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	93	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	89	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	252	33	—	1,889	3	—	266	719	985
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	46	3	—	75	435	510
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	62	62
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	1,386	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	293	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	191	158	349
Netherlands	—	32	—	—	—	—	—	9	9
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	53	53
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	252	0	—	164	0	—	0	0	0
Total	252	33	—	2,175	3	—	266	719	985
Persian Gulf⁶	—	—	—	182	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	1,808	9,176	246	60	306
Algeria	—	—	—	—	—	—	—	104	104	—	3	3
Angola	—	—	—	—	—	—	—	—	855	29	—	29
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	93	93	—	3	3
Libya	—	—	—	—	—	—	—	—	1,842	61	—	61
Nigeria	—	—	—	—	—	—	—	943	3,966	101	31	132
Saudi Arabia	—	—	—	—	—	—	—	606	2,254	55	20	75
United Arab Emirates	—	—	—	—	—	—	—	62	62	—	2	2
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	274	—	110	—	1,204	144	—	34,213	43,805	320	1,140	1,460
Argentina	101	—	—	—	—	—	—	321	321	—	11	11
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	1	—	736	736	—	25	25
Brazil	—	—	—	—	—	—	—	941	941	—	31	31
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	140	5	—	5
Canada	3	—	80	—	1,051	67	—	7,511	11,685	139	250	390
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	4	—	—	—	—	4	4	—	0	0
Colombia	—	—	—	—	104	—	—	240	240	—	8	8
Denmark	—	—	—	—	—	—	—	18	18	—	1	1
Ecuador	—	—	—	—	—	—	—	348	348	—	12	12
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	429	429	—	14	14
France	—	—	—	—	—	6	—	517	517	—	17	17
Germany	—	—	—	—	—	8	—	100	100	—	3	3
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	3,579	3,579	—	119	119
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	2	—	1,000	1,000	—	33	33
Korea, South	—	—	—	—	—	—	—	293	293	—	10	10
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	1	—	—	—	—	291	291	—	10	10
Mexico	—	—	—	—	—	—	—	675	1,172	17	23	39
Netherlands	55	—	—	—	—	1	—	5,184	5,184	—	173	173
Norway	—	—	—	—	—	—	—	1,095	2,208	37	37	74
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	1,495	1,495	—	50	50
Qatar	—	—	—	—	—	—	—	516	516	—	17	17
Russia	95	—	—	—	—	58	—	3,268	4,321	35	109	144
Spain	—	—	3	—	—	—	—	917	917	—	31	31
Sweden	—	—	—	—	—	—	—	917	917	—	31	31
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	20	—	—	—	—	—	—	2,256	2,256	—	75	75
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	6	6	—	0	0
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	22	—	49	1	—	1,556	4,171	87	50	137
Total	274	—	110	—	1,204	144	—	36,021	52,981	565	1,201	1,766
Persian Gulf³	—	—	—	—	—	—	—	1,277	2,925	55	43	98

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	75,724	1,346	176	-	-	-	-	-	454	454
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	75,724	1,345	176	-	-	-	-	-	454	454
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	1	0	-	-	-	-	-	0	0
Total	75,724	1,346	176	-	-	-	-	-	454	454
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	121	-	-	131	-	2	-	133
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	121	-	-	131	-	2	-	133
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	0	-	0
Total	--	--	-	121	-	-	131	-	2	-	133
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	2	—	—	14	—	14	69	83
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	2	—	—	14	—	14	69	83
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	—	0	—	0	0	0
Total	—	2	—	—	14	—	14	69	83
Persian Gulf⁶	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	38	41	17	33	499	193	-	3,150	78,874	2,524	105	2,629
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	1	-	1	1	-	0	0
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	38	41	17	33	499	191	-	3,147	78,871	2,524	105	2,629
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	1	-	1	1	-	0	0
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	1	1	-	0	0
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	0	-	0	0	0	0	0
Total	38	41	17	33	499	193	-	3,150	78,874	2,524	105	2,629
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-	-

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	6,973	-	-	864	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	726	-	-	49	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	6,247	-	-	815	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	46,521	-	-	12,028	-	-	-	-	1,616	1,616
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	1,482	-	-	27	-	-	-	-	79	79
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	15,435	-	-	720	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	3,758	-	-	220	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	415	-	-	-	-	-	-
Egypt	-	-	-	361	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	55	55
Guatemala	281	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	290	290
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	18,308	-	-	662	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	3,074	-	-	8,500	-	-	-	-	-	-
Spain	-	-	-	8	-	-	-	-	606	606
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,393	-	-	-	-	-	-	-	-	-
United Kingdom	805	-	-	23	-	-	-	-	294	294
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,985	-	-	1,092	-	-	-	-	292	292
Total	53,494	-	-	12,892	-	-	-	-	1,616	1,616
Persian Gulf³	6,973	-	-	864	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	128	-	-	-	-	-	-	-
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	-	-	-	-	-
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	128	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	-	-	-	-	-
Total	--	--	-	128	-	-	-	-	-	-	-
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	80	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	80	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	373	-	149	3,839	3,988
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	1,148	1,148
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	63	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	81	-	-	10	10
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	45	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	184	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	149	2,213	2,362
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	285	285
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	183	183
Total	-	-	-	-	453	-	149	3,839	3,988
Persian Gulf⁶	-	-	-	-	80	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	944	7,917	232	31	264
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	49	775	24	2	26
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	895	7,142	208	30	238
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	252	19	45	175	—	661	—	19,289	65,810	1,551	643	2,194
Argentina	—	—	—	—	—	3	—	3	3	—	0	0
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,148	1,148	—	38	38
Bahrain	—	—	—	—	—	75	—	75	75	—	3	3
Belgium	18	—	—	—	—	1	—	19	19	—	1	1
Brazil	—	—	—	174	—	—	—	343	1,825	49	11	61
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	19	—	—	—	7	—	837	16,272	515	28	542
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	220	3,978	125	7	133
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	415	415	—	14	14
Egypt	—	—	—	—	—	—	—	361	361	—	12	12
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	2	—	2	2	—	0	0
Germany	19	—	—	—	—	2	—	76	76	—	3	3
Guatemala	—	—	—	—	—	—	—	—	281	9	—	9
India	—	—	—	—	—	—	—	335	335	—	11	11
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	7	—	7	7	—	0	0
Korea, South	—	—	—	—	—	218	—	402	402	—	13	13
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	24	—	—	—	—	24	24	—	1	1
Mexico	98	—	—	—	—	—	—	3,122	21,430	610	104	714
Netherlands	—	—	—	—	—	24	—	24	24	—	1	1
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	309	—	309	309	—	10	10
Russia	—	—	—	—	—	13	—	8,798	11,872	102	293	396
Spain	—	—	—	—	—	—	—	742	742	—	25	25
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,393	46	—	46
United Kingdom	—	—	—	—	—	—	—	317	1,122	27	11	37
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	117	0	21	1	—	0	—	1,710	3,695	68	57	124
Total	252	19	45	175	—	661	—	20,233	73,727	1,783	674	2,458
Persian Gulf³	—	—	—	—	—	384	—	1,328	8,301	232	44	277

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	9,748	377	-	146	-	-	-	-	56	56
Canada	9,748	377	-	146	-	-	-	-	56	56
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	-	-	0	0
Total	9,748	377	-	146	-	-	-	-	56	56
	PAD District 5									
OPEC	11,457	-	-	900	-	-	-	-	158	158
Algeria	-	-	-	549	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	858	-	-	351	-	-	-	-	-	-
Kuwait	651	-	-	-	-	-	-	-	-	-
Libya	1,046	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	6,841	-	-	-	-	-	-	-	158	158
United Arab Emirates	2,061	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	28,401	1,407	-	931	-	1,136	1,136	-	580	580
Argentina	1,659	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	4,797	-	-	-	-	-	-	-	-	-
Brunei	2,308	-	-	-	-	-	-	-	-	-
Canada	8,287	1,352	-	-	-	223	223	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Ecuador	3,996	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	913	913	-	119	119
Malaysia	-	-	-	-	-	-	-	-	118	118
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,334	-	-	488	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	114	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	144	144
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	6	6
Other	5,906	55	-	443	-	0	0	-	193	193
Total	39,858	1,407	-	1,831	-	1,136	1,136	-	738	738
Persian Gulf ³	10,411	-	-	351	-	-	-	-	158	158

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
PAD District 4											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	7	-	-	240	-	-	-	240
Canada	--	--	-	7	-	-	240	-	-	-	240
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	7	-	-	240	-	-	-	240
PAD District 5											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	250	97	636	-	606	-	-	-	606
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	250	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	48	-	-	606	-	-	-	606
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	49	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	636	-	0	-	-	-	0
Total	--	--	250	97	636	-	606	-	-	-	606
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin						Residual Fuel Oil			
	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	4,473	-	-	236	304	540
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	67	-	-	125	111	236
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	193	193
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	817	-	-	-	-	-
Korea, South	-	-	-	3,589	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	111	0	111
Total	-	-	-	4,473	-	-	236	304	540
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks									Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	53	-	1	880	10,628	325	29	354
Canada	-	-	-	-	53	-	1	880	10,628	325	29	354
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	53	-	1	880	10,628	325	29	354
	PAD District 5											
OPEC	-	-	-	-	-	-	-	1,058	12,515	382	35	417
Algeria	-	-	-	-	-	-	-	549	549	-	18	18
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	351	1,209	29	12	40
Kuwait	-	-	-	-	-	-	-	-	651	22	-	22
Libya	-	-	-	-	-	-	-	-	1,046	35	-	35
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	158	6,999	228	5	233
United Arab Emirates	-	-	-	-	-	-	-	-	2,061	69	-	69
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	32	-	38	79	-	10,805	39,206	947	360	1,307
Argentina	-	-	-	-	-	-	-	-	1,659	55	-	55
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	250	5,047	160	8	168
Brunei	-	-	-	-	-	-	-	-	2,308	77	-	77
Canada	-	-	-	-	38	-	-	2,570	10,857	276	86	362
China	-	-	23	-	-	-	-	23	23	-	1	1
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	193	4,189	133	6	140
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	936	936	-	31	31
Korea, South	-	-	-	-	-	23	-	4,692	4,692	-	156	156
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	488	1,822	44	16	61
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	114	4	-	4
Qatar	-	-	-	-	-	56	-	56	56	-	2	2
Singapore	-	-	-	-	-	-	-	636	636	-	21	21
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	9	-	-	-	-	153	153	-	5	5
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	6	6	-	0	0
Other	-	-	0	-	0	0	-	802	6,708	198	28	224
Total	-	-	32	-	38	79	-	11,863	51,721	1,329	395	1,724
Persian Gulf ⁶	-	-	-	-	-	56	-	565	10,976	347	19	366

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	54,660	389	-	424	-	485	485	961	7,564	8,525
Algeria	5,918	-	-	-	-	-	-	-	326	326
Angola	4,078	-	-	323	-	-	-	-	322	322
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	245	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	6	6
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	7,653	-	-	-	-	-	-	-	-	-
Nigeria	22,827	144	-	101	-	40	40	-	2,536	2,536
Saudi Arabia	14,184	-	-	-	-	445	445	961	4,199	5,160
United Arab Emirates	-	-	-	-	-	-	-	-	175	175
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	98,198	7,558	2,379	15,935	-	25,770	25,770	57,744	98,032	155,776
Argentina	-	-	-	-	-	143	143	-	488	488
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	777	777	2,577	3,257	5,834
Brazil	-	-	-	-	-	486	486	-	5,636	5,636
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	827	-	-	-	-	-	-	-	-	-
Canada	42,812	7,305	2,379	-	-	3,585	3,585	28,081	6,913	34,994
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	855	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	79	79	123	71	194
Ecuador	-	-	-	701	-	-	-	-	-	-
Egypt	-	-	-	358	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	277	277	-	5,086	5,086
France	-	-	-	-	-	159	159	3,175	2,852	6,027
Germany	-	-	-	-	-	187	187	-	324	324
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	160	-	870	870	-	12,623	12,623
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	180	-	1,495	1,495	353	6,810	7,163
Korea, South	-	-	-	-	-	175	175	-	1,900	1,900
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	364	364	-	631	631
Malaysia	-	-	-	-	-	-	-	-	290	290
Mexico	10,412	-	-	2,568	-	-	-	-	-	-
Netherlands	-	-	-	-	-	5,714	5,714	11,022	11,364	22,386
Norway	11,163	253	-	380	-	853	853	3,565	2,108	5,673
Oman	-	-	-	-	-	-	-	-	33	33
Portugal	-	-	-	-	-	337	337	1,938	6,460	8,398
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	14,399	-	-	10,316	-	4,877	4,877	396	12,672	13,068
Spain	-	-	-	-	-	703	703	57	5,211	5,268
Sweden	-	-	-	-	-	147	147	175	2,339	2,514
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,007	-	-	-	-	-	-	-	-	-
United Kingdom	3,344	-	-	-	-	968	968	6,147	3,616	9,763
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	987	-	416	416	-	1,059	1,059
Yemen	-	-	-	-	-	-	-	-	-	-
Other	13,379	0	0	285	-	3,158	3,158	135	6,283	6,418
Total	152,858	7,947	2,379	16,359	-	26,255	26,255	58,705	105,596	164,301
Persian Gulf³	14,184	-	-	-	-	445	445	961	4,374	5,335

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	8,352	-	-	-	8,352
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	24	-	-	-	24
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	118	-	-	-	118
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	2,886	-	-	-	2,886
Saudi Arabia	--	--	-	-	-	-	3,890	-	-	-	3,890
United Arab Emirates	--	--	-	-	-	-	1,434	-	-	-	1,434
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	1,152	-	-	57,792	17	-	-	57,809
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	308	-	-	-	308
Belgium	--	--	-	-	-	-	4,200	-	-	-	4,200
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	718	-	-	27,252	17	-	-	27,269
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	4,707	-	-	-	4,707
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	204	-	-	-	204
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	434	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	3,957	-	-	-	3,957
Indonesia	--	--	-	-	-	-	143	-	-	-	143
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	604	-	-	-	604
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	5,353	-	-	-	5,353
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	1,581	-	-	-	1,581
Portugal	--	--	-	-	-	-	258	-	-	-	258
Qatar	--	--	-	-	-	-	2,545	-	-	-	2,545
Russia	--	--	-	-	-	-	5,201	-	-	-	5,201
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	97	-	-	-	97
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	654	-	-	-	654
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	704	0	-	-	704
Total	--	--	-	1,152	-	-	66,144	17	-	-	66,161
Persian Gulf³	--	--	-	-	-	-	8,295	-	-	-	8,295

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	5,743	—	—	134	—	134
Algeria	—	—	—	1,057	—	—	37	—	37
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	97	—	97
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	1,573	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	66	—	—	—	—	—
Saudi Arabia	—	—	—	670	—	—	—	—	—
United Arab Emirates	—	—	—	2,377	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	256	106	—	9,556	27	200	2,617	6,938	9,755
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	101	287	388
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	287	—	—	—	—	—
Brazil	—	—	—	—	—	—	216	110	326
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	4	9	—	2,241	27	—	291	2,676	2,967
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	125	—	—	—	771	771
Denmark	—	—	—	—	—	—	39	—	39
Ecuador	—	—	—	—	—	—	—	21	21
Egypt	—	—	—	—	—	—	10	67	77
Estonia	—	—	—	—	—	—	192	—	192
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	309	—	—	—	—	—
Germany	—	—	—	—	—	—	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	3,303	—	—	—	543	543
Indonesia	—	—	—	2	—	—	—	—	—
Italy	—	—	—	1,063	—	—	2	—	2
Korea, South	—	—	—	1,385	—	—	—	6	6
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	263	1,365	1,628
Netherlands	—	97	—	—	—	—	207	538	745
Norway	—	—	—	—	—	—	—	129	129
Oman	—	—	—	2	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	1	—	—	—	—	—
Russia	—	—	—	—	—	—	493	310	803
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	426	—	200	698	21	919
Yemen	—	—	—	—	—	—	—	—	—
Other	252	0	—	412	0	0	8	92	100
Total	256	106	—	15,299	27	200	2,751	6,938	9,889
Persian Gulf⁶	—	—	—	4,621	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	50	—	—	—	—	116	—	24,218	78,878	200	89	289
Algeria	—	—	—	—	—	—	—	1,420	7,338	22	5	27
Angola	—	—	—	—	—	—	—	645	4,723	15	2	17
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	245	245	—	1	1
Gabon	—	—	—	—	—	—	—	127	127	—	0	0
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	1,691	1,691	—	6	6
Libya	—	—	—	—	—	—	—	—	7,653	28	—	28
Nigeria	50	—	—	—	—	—	—	5,823	28,650	84	21	105
Saudi Arabia	—	—	—	—	—	—	—	10,165	24,349	52	37	89
United Arab Emirates	—	—	—	—	—	116	—	4,102	4,102	—	15	15
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	689	11	924	78	7,125	1,323	1	296,230	394,428	360	1,085	1,445
Argentina	101	—	—	—	—	—	—	732	732	—	3	3
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	388	388	—	1	1
Bahrain	—	—	—	—	—	—	—	308	308	—	1	1
Belgium	—	—	—	—	—	38	—	11,136	11,136	—	41	41
Brazil	—	—	—	—	—	—	—	6,448	6,448	—	24	24
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	827	3	—	3
Canada	37	11	665	—	6,469	857	1	89,538	132,350	157	328	485
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	139	—	—	—	—	139	139	—	1	1
Colombia	—	—	—	—	300	—	—	5,903	6,758	3	22	25
Denmark	—	—	—	—	—	—	—	312	312	—	1	1
Ecuador	—	—	—	—	—	—	—	722	722	—	3	3
Egypt	—	—	—	—	—	—	—	435	435	—	2	2
Estonia	—	—	—	—	—	—	—	192	192	—	1	1
Finland	45	—	—	—	—	—	—	5,612	5,612	—	21	21
France	11	—	—	—	—	50	—	6,556	6,556	—	24	24
Germany	—	—	—	—	—	60	—	1,007	1,007	—	4	4
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	21,456	21,456	—	79	79
Indonesia	46	—	—	—	—	—	—	191	191	—	1	1
Italy	—	—	—	—	41	24	—	9,968	9,968	—	37	37
Korea, South	22	—	4	—	—	99	—	4,195	4,195	—	15	15
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	995	995	—	4	4
Malaysia	—	—	6	—	—	1	—	297	297	—	1	1
Mexico	—	—	—	—	—	—	—	4,196	14,608	38	15	54
Netherlands	55	—	—	69	—	120	—	34,539	34,539	—	127	127
Norway	—	—	—	—	—	—	—	7,288	18,451	41	27	68
Oman	—	—	—	—	—	—	—	1,616	1,616	—	6	6
Portugal	—	—	—	—	—	—	—	8,993	8,993	—	33	33
Qatar	—	—	—	—	—	—	—	2,546	2,546	—	9	9
Russia	169	—	—	—	—	68	—	34,502	48,901	53	126	179
Spain	—	—	16	—	189	—	—	6,176	6,176	—	23	23
Sweden	—	—	—	7	—	1	—	2,766	2,766	—	10	10
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,007	4	—	4
United Kingdom	26	—	—	—	—	—	—	10,757	14,101	12	39	52
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	177	—	—	—	—	—	—	4,638	4,638	—	17	17
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	94	2	126	5	0	11,556	24,935	49	39	86
Total	739	11	924	78	7,125	1,439	1	320,448	473,306	560	1,174	1,734
Persian Gulf³	—	—	—	—	—	116	—	18,812	32,996	52	69	121

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	684,713	17,516	2,086	-	-	100	100	-	2,826	2,826
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	684,509	17,511	2,086	-	-	-	-	-	2,673	2,673
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	153	153
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	100	100	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	204	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	5	0	-	-	0	0	-	0	0
Total	684,713	17,516	2,086	-	-	100	100	-	2,826	2,826
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	817	-	-	1,903	10	15	-	1,928
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	817	-	-	1,903	10	15	-	1,928
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	0	-	0
Total	--	--	-	817	-	-	1,903	10	15	-	1,928
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	—	—	256	—	256
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	256	—	256
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	36	—	37	71	—	331	936	1,267
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	36	—	37	71	—	215	360	575
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	12	—	12
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	5	—	5
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	576	576
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	0	—	99	0	99
Total	—	36	—	37	71	—	587	936	1,523
Persian Gulf⁶	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	256	256	—	1	1
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	256	256	—	1	1
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	639	561	156	268	6,151	1,893	—	36,352	721,065	2,508	133	2,641
Argentina	—	—	—	—	—	2	—	2	2	—	0	0
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	1	—	1	1	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	639	561	156	268	6,151	1,885	—	35,394	719,903	2,507	130	2,637
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	153	153	—	1	1
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	3	—	15	15	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	1	—	1	1	—	0	0
Korea, South	—	—	—	—	—	—	—	105	105	—	0	0
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	204	1	—	1
Netherlands	—	—	—	—	—	—	—	5	5	—	0	0
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	576	576	—	2	2
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	1	—	1	1	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	0	0	—	99	99	0	0	0
Total	639	561	156	268	6,151	1,893	—	36,608	721,321	2,508	134	2,642
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	56,110	-	-	10,238	-	-	-	-	481	481
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	1,373	-	-	-	-	-	-	-	325	325
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	1,033	-	-	-	-	-	-	-	-	-
Iraq	6,360	-	-	1,566	-	-	-	-	-	-
Kuwait	4,114	-	-	49	-	-	-	-	-	-
Libya	1,276	-	-	176	-	-	-	-	-	-
Nigeria	2,858	-	-	-	-	-	-	-	156	156
Saudi Arabia	39,096	-	-	6,694	-	-	-	-	-	-
United Arab Emirates	-	-	-	1,753	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	361,176	-	54	114,137	-	1,314	1,314	307	21,735	22,042
Argentina	-	-	-	12	-	-	-	-	208	208
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	1,416	-	-	-	-	558	558
Brazil	6,925	-	-	27	-	-	-	-	1,283	1,283
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	648	-	-	-	-	-	-	-	-	-
Canada	132,648	-	-	1,187	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	34,091	-	-	220	-	-	-	-	3	3
Denmark	-	-	-	-	-	-	-	-	25	25
Ecuador	815	-	-	1,974	-	-	-	-	-	-
Egypt	-	-	-	6,565	-	-	-	-	-	-
Estonia	-	-	-	126	-	-	-	-	-	-
Finland	-	-	-	104	-	-	-	-	591	591
France	-	-	-	299	-	-	-	-	1,009	1,009
Germany	-	-	-	172	-	-	-	-	315	315
Guatemala	843	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	2,951	2,951
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	544	-	644	644	-	976	976
Korea, South	-	-	-	84	-	-	-	-	307	307
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	147,007	-	54	7,350	-	-	-	-	435	435
Netherlands	-	-	-	488	-	-	-	-	2,596	2,596
Norway	-	-	-	536	-	-	-	-	52	52
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	489	489
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	17,591	-	-	86,340	-	100	100	-	627	627
Spain	-	-	-	8	-	56	56	-	1,822	1,822
Sweden	-	-	-	125	-	-	-	-	784	784
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	9,500	-	-	-	-	-	-	-	-	-
United Kingdom	8,121	-	-	979	-	65	65	-	1,909	1,909
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	959	-	-	-	-	654	654
Yemen	-	-	-	-	-	-	-	-	-	-
Other	2,987	-	0	4,622	-	449	449	307	4,141	4,448
Total	417,286	-	54	124,375	-	1,314	1,314	307	22,216	22,523
Persian Gulf³	50,603	-	-	10,062	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	182	50	-	1,086	-	400	-	1,486
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	41	-	-	-	41
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	-	-	-	-	-
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	263	-	-	-	263
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	265	-	-	-	265
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	71	-	-	-	71
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	286	-	-	-	286
Spain	--	--	-	182	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	160	-	400	-	560
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	50	-	0	-	0	-	0
Total	--	--	-	182	50	-	1,086	-	400	-	1,486
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	281	—	—	645	645
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	608	608
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	281	—	—	37	37
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	174	—	—	2,578	1,566	1,619	27,748	30,933
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,685	1,685
Bahrain	—	—	—	—	—	—	—	235	235
Belgium	—	—	—	—	—	2	—	—	2
Brazil	—	—	—	—	169	—	39	1,269	1,308
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	492	582	30	338	950
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	164	164
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	600	600
Egypt	—	—	—	—	—	—	—	1,636	1,636
Estonia	—	76	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	179	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	208	208
Korea, South	—	—	—	—	1,185	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	36	—	149	15,619	15,768
Netherlands	—	98	—	—	19	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	807	618	4,060	5,485
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	45	—	45
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	175	225	—	400
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	—	498	0	513	1,934	2,447
Total	—	174	—	—	2,859	1,566	1,619	28,393	31,578
Persian Gulf⁶	—	—	—	—	281	—	—	880	880

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	451	—	1,191	—	13,287	69,397	206	49	254
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	325	1,698	5	1	6
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	1,033	4	—	4
Iraq	—	—	—	—	—	—	—	1,566	7,926	23	6	29
Kuwait	—	—	—	157	—	—	—	814	4,928	15	3	18
Libya	—	—	—	—	—	—	—	176	1,452	5	1	5
Nigeria	—	—	—	—	—	—	—	156	3,014	10	1	11
Saudi Arabia	—	—	—	294	—	128	—	7,434	46,530	143	27	170
United Arab Emirates	—	—	—	—	—	1,063	—	2,816	2,816	—	10	10
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	2,643	385	410	1,949	98	8,014	—	186,503	547,679	1,323	683	2,006
Argentina	—	134	—	951	—	22	—	1,327	1,327	—	5	5
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,685	1,685	—	6	6
Bahrain	—	—	—	—	—	742	—	977	977	—	4	4
Belgium	201	—	—	—	—	35	—	2,212	2,212	—	8	8
Brazil	—	—	—	689	—	—	—	3,517	10,442	25	13	38
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	648	2	—	2
Canada	—	78	—	—	98	76	—	2,881	135,529	486	11	496
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	650	34,741	125	2	127
Denmark	—	—	—	—	—	—	—	25	25	—	0	0
Ecuador	—	—	—	—	—	—	—	2,574	3,389	3	9	12
Egypt	—	—	—	—	—	—	—	8,201	8,201	—	30	30
Estonia	—	—	—	—	—	—	—	202	202	—	1	1
Finland	—	—	—	—	—	—	—	695	695	—	3	3
France	—	173	13	—	—	63	—	1,822	1,822	—	7	7
Germany	19	—	—	—	—	32	—	538	538	—	2	2
Guatemala	—	—	—	—	—	—	—	—	843	3	—	3
India	—	—	—	—	—	—	—	3,130	3,130	—	11	11
Indonesia	—	—	—	—	—	777	—	777	777	—	3	3
Italy	—	—	34	—	—	90	—	2,496	2,496	—	9	9
Korea, South	156	—	—	—	—	2,177	—	3,909	3,909	—	14	14
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	136	—	—	—	—	136	136	—	0	0
Mexico	1,162	—	—	—	—	—	—	24,876	171,883	538	91	630
Netherlands	—	—	—	—	—	777	—	4,011	4,011	—	15	15
Norway	—	—	—	—	—	—	—	588	588	—	2	2
Oman	—	—	—	114	—	49	—	163	163	—	1	1
Portugal	—	—	—	—	—	—	—	489	489	—	2	2
Qatar	—	—	—	—	—	3,000	—	3,000	3,000	—	11	11
Russia	—	—	—	158	—	49	—	93,045	110,636	64	341	405
Spain	—	—	—	—	—	—	—	2,068	2,068	—	8	8
Sweden	—	—	—	—	—	—	—	909	909	—	3	3
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	9,500	35	—	35
United Kingdom	118	—	136	8	—	84	—	3,344	11,465	30	12	42
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	2,573	2,573	—	9	9
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	987	0	91	29	0	41	—	13,683	16,670	12	50	62
Total	2,643	385	410	2,400	98	9,205	—	199,790	617,076	1,529	732	2,260
Persian Gulf⁶	—	—	—	451	—	4,933	—	16,607	67,210	185	61	246

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	81,950	3,836	-	181	-	-	-	-	423	423
Canada	81,950	3,836	-	181	-	-	-	-	423	423
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	-	-	0	0
Total	81,950	3,836	-	181	-	-	-	-	423	423
	PAD District 5									
OPEC	98,300	-	-	3,747	-	791	791	135	2,966	3,101
Algeria	-	-	-	3,092	-	-	-	-	-	-
Angola	4,135	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	31,379	-	-	351	-	-	-	-	-	-
Kuwait	1,654	-	-	-	-	-	-	-	-	-
Libya	15,830	-	-	-	-	-	-	-	-	-
Nigeria	5,309	-	-	-	-	-	-	-	-	-
Saudi Arabia	35,938	-	-	304	-	791	791	135	2,152	2,287
United Arab Emirates	4,055	-	-	-	-	-	-	-	814	814
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	220,703	12,169	-	13,189	-	6,461	6,461	766	10,524	11,290
Argentina	6,889	55	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	19,855	-	-	-	-	26	26	-	39	39
Brunei	7,178	-	-	-	-	-	-	-	-	-
Canada	72,565	11,985	-	678	-	2,072	2,072	180	591	771
China	-	-	-	-	-	-	-	-	-	-
Colombia	12,769	-	-	-	-	-	-	-	-	-
Ecuador	39,930	-	-	1,179	-	-	-	-	-	-
Finland	-	-	-	-	-	1	1	-	271	271
Germany	-	-	-	-	-	5	5	13	-	13
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	1,094	1,094
Korea, South	-	-	-	-	-	3,275	3,275	-	3,071	3,071
Malaysia	-	-	-	379	-	-	-	-	-	-
Mexico	8,483	-	-	3,016	-	-	-	-	-	-
Netherlands	-	-	-	-	-	85	85	381	104	485
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	460	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	419	419
Sweden	-	-	-	-	-	22	22	-	-	-
Taiwan	-	-	-	-	-	-	-	-	778	778
United Kingdom	700	-	-	363	-	-	-	-	932	932
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	678	-	44	44	-	118	118
Other	51,874	129	-	6,896	-	931	931	192	3,107	3,299
Total	319,003	12,334	-	16,936	-	7,252	7,252	901	13,490	14,391
Persian Gulf ³	73,026	-	-	655	-	791	791	135	2,966	3,101

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
PAD District 4											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	275	-	-	1,530	-	-	-	1,530
Canada	--	--	-	275	-	-	1,530	-	-	-	1,530
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	275	-	-	1,530	-	-	-	1,530
PAD District 5											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	1,196	750	7,112	27	4,540	1,254	-	-	5,794
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	1,196	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	395	-	27	3,844	-	-	-	3,844
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	131	-	-	-	131
Korea, South	--	--	-	355	-	-	565	1,254	-	-	1,819
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	7,112	0	0	0	-	-	0
Total	--	--	1,196	750	7,112	27	4,540	1,254	-	-	5,794
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	33	-	448	-	-	-	-	-
Canada	-	33	-	448	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	-	-	-	-	-
Total	-	33	-	448	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	11	-	27,578	-	-	2,592	2,605	5,197
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	313	-	-	-	-	-
Canada	-	11	-	972	-	-	1,045	730	1,775
China	-	-	-	606	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	999	999
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	96	96
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	2,663	-	-	-	75	75
Korea, South	-	-	-	21,190	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	176	176
Netherlands	-	-	-	300	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	331	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	309	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	0	-	894	-	-	1,547	529	2,076
Total	-	11	-	27,578	-	-	2,592	2,605	5,197
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-September 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	516	-	9	7,251	89,201	300	27	327
Canada	-	-	-	-	516	-	9	7,251	89,201	300	27	327
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	516	-	9	7,251	89,201	300	27	327
	PAD District 5											
OPEC	-	-	-	-	-	-	-	7,804	106,104	360	29	389
Algeria	-	-	-	-	-	-	-	3,092	3,092	-	11	11
Angola	-	-	-	-	-	-	-	-	4,135	15	-	15
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	351	31,730	115	1	116
Kuwait	-	-	-	-	-	-	-	-	1,654	6	-	6
Libya	-	-	-	-	-	-	-	-	15,830	58	-	58
Nigeria	-	-	-	-	-	-	-	-	5,309	19	-	19
Saudi Arabia	-	-	-	-	-	-	-	3,382	39,320	132	12	144
United Arab Emirates	-	-	-	-	-	-	-	814	4,869	15	3	18
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	219	-	223	-	516	287	-	92,019	312,722	808	337	1,146
Argentina	-	-	-	-	-	-	-	55	6,944	25	0	25
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	1,261	21,116	73	5	77
Brunei	-	-	-	-	-	-	-	313	7,491	26	1	27
Canada	-	-	-	-	516	94	-	23,140	95,705	266	85	351
China	-	-	65	-	-	-	-	671	671	-	2	2
Colombia	-	-	-	-	-	-	-	-	12,769	47	-	47
Ecuador	-	-	-	-	-	-	-	2,178	42,108	146	8	154
Finland	-	-	-	-	-	-	-	272	272	-	1	1
Germany	-	-	-	-	-	-	-	114	114	-	0	0
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	18	-	-	-	-	3,981	3,981	-	15	15
Korea, South	-	-	-	-	-	69	-	29,779	29,779	-	109	109
Malaysia	-	-	1	-	-	-	-	380	380	-	1	1
Mexico	-	-	-	-	-	-	-	3,192	11,675	31	12	43
Netherlands	-	-	21	-	-	-	-	891	891	-	3	3
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	460	2	-	2
Qatar	-	-	-	-	-	124	-	124	124	-	0	0
Singapore	-	-	-	-	-	-	-	7,862	7,862	-	29	29
Sweden	-	-	-	-	-	-	-	22	22	-	0	0
Taiwan	219	-	118	-	-	-	-	1,424	1,424	-	5	5
United Kingdom	-	-	-	-	-	-	-	1,295	1,995	3	5	7
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	840	840	-	3	3
Other	0	-	0	-	0	0	-	14,225	66,099	189	53	245
Total	219	-	223	-	516	287	-	99,823	418,826	1,169	366	1,534
Persian Gulf ³	-	-	-	-	-	124	-	4,671	77,697	267	17	285

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, September 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	—	2,017	77,979	—	—	79,995	2,667
Hydrocarbon Gas Liquids	7,863	8,669	46,676	68	1,619	64,896	2,163
Natural Gas Liquids	7,863	8,669	46,676	68	1,619	64,896	2,163
Ethane	2,169	2,803	5,911	—	—	10,883	363
Propane	4,797	129	32,222	—	645	37,794	1,260
Normal Butane	805	98	8,428	11	948	10,290	343
Isobutane	1	1	80	—	—	81	3
Natural Gasoline	91	5,638	34	57	26	5,847	195
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	207	2,208	11,835	10	664	14,924	497
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	187	787	802	10	400	2,185	73
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	187	787	802	10	400	2,185	73
Fuel Ethanol	182	618	764	—	247	1,812	60
Biodiesel	5	169	38	10	152	374	12
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	17	1,212	9,177	0	13	10,419	347
Naphthas and Lighter	6	1,204	9,000	—	1	10,211	340
Kerosene and Light Gas Oils	11	8	177	0	13	208	7
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	3	209	1,857	0	251	2,320	77
Reformulated	1	—	0	—	21	21	1
Conventional	2	209	1,857	0	230	2,299	77
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	2,082	1,588	64,519	14	6,199	74,402	2,480
Finished Motor Gasoline	28	277	21,117	1	856	22,280	743
Reformulated	—	—	—	—	—	—	—
Conventional	28	277	21,117	1	856	22,280	743
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	10	—	2,452	—	459	2,921	97
Kerosene	4	1	241	—	11	257	9
Distillate Fuel Oil	635	81	25,277	0	1,199	27,192	906
15 ppm sulfur and under	317	10	21,646	0	820	22,792	760
Greater than 15 ppm to 500 ppm sulfur	185	2	919	—	219	1,325	44
Greater than 500 ppm sulfur	134	70	2,712	—	159	3,075	102
Residual Fuel Oil	493	110	1,808	3	530	2,945	98
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	141	199	2,552	6	84	2,982	99
Waxes	87	44	17	0	4	153	5
Petroleum Coke	593	760	10,715	—	3,033	15,101	503
Asphalt and Road Oil	74	112	319	3	22	531	18
Miscellaneous Products	17	3	19	—	1	40	1
Total	10,152	14,482	201,009	92	8,482	234,217	7,807

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-September 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	4,870	29,606	754,047	—	8,873	797,397	2,921
Hydrocarbon Gas Liquids	79,568	79,687	455,693	774	13,745	629,467	2,306
Natural Gas Liquids	79,568	79,687	455,693	774	13,745	629,467	2,306
Ethane	20,401	24,187	59,620	1	1	104,210	382
Propane	40,512	1,357	306,414	17	7,012	354,162	1,297
Normal Butane	17,925	1,150	89,683	61	6,581	114,980	421
Isobutane	6	18	789	0	6	816	3
Natural Gasoline	789	52,985	635	696	195	55,298	203
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	1,558	21,768	119,784	144	4,629	147,882	542
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	1,152	6,735	14,028	140	2,620	24,675	90
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	1,152	6,735	14,028	140	2,620	24,675	90
Fuel Ethanol	849	4,821	13,347	56	1,857	20,929	77
Biodiesel	303	1,914	681	84	763	3,746	14
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	229	14,211	86,909	1	603	101,954	373
Naphthas and Lighter	95	14,154	85,022	0	450	99,721	365
Kerosene and Light Gas Oils	134	56	1,888	1	153	2,233	8
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	176	823	18,847	2	1,405	21,254	78
Reformulated	4	1	31	—	33	69	0
Conventional	172	822	18,816	2	1,373	21,184	78
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	20,446	10,749	634,209	203	68,391	733,997	2,689
Finished Motor Gasoline	1,758	2,227	201,609	13	11,575	217,181	796
Reformulated	—	—	—	—	—	—	—
Conventional	1,758	2,227	201,609	13	11,575	217,181	796
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	1,347	122	18,891	—	4,100	24,460	90
Kerosene	14	5	846	—	222	1,086	4
Distillate Fuel Oil	5,606	887	265,182	0	17,044	288,719	1,058
15 ppm sulfur and under	3,008	129	227,828	0	11,835	242,801	889
Greater than 15 ppm to 500 ppm sulfur	1,911	137	16,883	0	2,024	20,955	77
Greater than 500 ppm sulfur	687	621	20,471	—	3,184	24,963	91
Residual Fuel Oil	3,169	1,326	18,633	66	6,006	29,200	107
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	1,476	1,803	22,099	105	3,039	28,523	104
Waxes	767	328	216	2	34	1,346	5
Petroleum Coke	5,432	3,096	102,937	0	26,128	137,593	504
Asphalt and Road Oil	738	937	3,649	17	241	5,582	20
Miscellaneous Products	139	17	147	—	2	305	1
Total	106,441	141,810	1,963,733	1,120	95,637	2,308,742	8,457

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2021
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	0	—	105	—	1	1	—	—	—
Australia	886	575	—	3	—	—	—	0	—	0
Bahamas	—	33	—	—	—	41	41	—	—	—
Bahrain	—	—	—	—	—	1	1	—	—	—
Belgium	—	1,003	—	328	—	0	0	—	—	—
Belize	—	—	—	—	—	—	—	—	—	—
Brazil	1,689	575	—	2,157	—	2,380	2,380	—	—	—
Canada	7,173	8,937	—	1,225	—	450	450	—	894	894
Cayman Islands	—	0	—	—	—	—	—	—	—	—
Chile	—	1,088	—	3	—	521	521	—	51	51
China	2,473	7,609	—	4	—	0	0	—	—	—
Colombia	577	84	—	754	—	1,721	1,721	—	130	130
Costa Rica	—	125	—	10	—	606	606	—	—	—
Denmark	702	—	—	0	—	—	—	—	—	—
Dominican Republic	—	1,537	—	0	—	253	253	—	—	—
Ecuador	—	1,063	—	—	—	—	—	—	—	—
Egypt	—	1,759	—	—	—	—	—	—	—	—
El Salvador	—	394	—	1	—	289	289	—	—	—
Finland	—	177	—	0	—	—	—	—	—	—
France	2,970	0	—	16	—	—	—	—	—	—
Germany	2,148	—	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	69	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	164	—	2	—	866	866	0	—	0
Honduras	—	193	—	2	—	544	544	—	—	—
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	10,734	3,930	—	1	—	—	—	—	—	—
Indonesia	—	4,079	—	1	—	—	—	—	—	—
Ireland	670	—	—	—	—	—	—	—	—	—
Israel	—	0	—	0	—	8	8	—	—	—
Italy	3,658	—	—	—	—	—	—	—	—	—
Jamaica	—	25	—	—	—	108	108	—	0	0
Japan	—	10,380	—	1,079	—	1	1	0	—	0
Korea, South	10,541	4,138	—	1,048	—	0	0	—	1	1
Lebanon	—	—	—	—	—	1	1	—	—	—
Mexico	—	6,455	—	555	—	12,713	12,713	—	1,088	1,088
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	484	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	11,403	1,458	—	1,161	—	36	36	20	—	20
New Zealand	—	—	—	0	—	—	—	—	—	—
Nicaragua	308	0	—	—	—	—	—	—	—	—
Nigeria	—	223	—	—	—	—	—	—	—	—
Norway	709	870	—	80	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	500	70	—	0	—	465	465	—	—	—
Peru	1,400	503	—	0	—	633	633	0	135	135
Philippines	—	—	—	—	—	—	—	—	—	—
Portugal	755	420	—	—	—	—	—	—	—	—
Puerto Rico	—	3	—	2	—	2	2	—	—	—
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	—	0	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	5,977	821	—	1	—	—	—	—	—	—
South Africa	—	665	—	—	—	—	—	—	—	—
Spain	5,224	—	—	—	—	—	—	—	—	—
Switzerland	—	516	—	772	—	—	—	—	—	—
Taiwan	1,908	—	—	326	—	0	0	—	—	—
Thailand	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	20	—	0	—	240	240	—	—	—
Turkey	—	1,306	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	0	—	2	2	—	—	—
United Kingdom	5,295	1,128	—	780	—	—	—	—	—	—
Venezuela	—	0	—	0	—	—	—	—	—	—
Other	2,295	2,017	—	3	—	398	398	1	—	1
Total	79,995	64,896	—	10,419	—	22,280	22,280	21	2,299	2,320

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2021
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	---	---	—	—	—	—	433	—	—	—	433
Australia	---	---	0	—	—	—	0	—	—	—	0
Bahamas	---	---	0	—	—	—	147	18	556	—	721
Bahrain	---	---	—	—	—	—	—	—	—	—	—
Belgium	---	---	—	—	—	—	498	—	—	—	498
Belize	---	---	—	—	—	—	0	—	—	—	0
Brazil	---	---	0	—	—	—	2,964	175	660	—	3,799
Canada	---	---	863	253	—	—	10	490	96	—	596
Cayman Islands	---	---	—	—	—	—	144	—	—	—	144
Chile	---	---	1	—	—	—	2,066	—	—	—	2,066
China	---	---	0	—	—	—	0	—	—	—	0
Colombia	---	---	31	—	—	—	1,564	0	—	—	1,564
Costa Rica	---	---	0	—	—	—	500	—	—	—	500
Denmark	---	---	—	—	—	—	52	—	—	—	52
Dominican Republic	---	---	0	—	—	—	21	181	125	—	327
Ecuador	---	---	—	—	—	—	285	—	—	—	285
Egypt	---	---	—	—	—	—	—	—	—	—	—
El Salvador	---	---	—	—	—	—	0	—	128	—	128
Finland	---	---	36	—	—	—	—	—	—	—	—
France	---	---	—	—	—	—	—	—	—	—	—
Germany	---	---	—	—	—	—	0	—	—	—	0
Ghana	---	---	—	—	—	—	—	—	—	—	—
Gibraltar	---	---	—	—	—	—	378	—	310	—	688
Greece	---	---	—	—	—	—	—	—	—	—	—
Guatemala	---	---	0	—	—	—	521	—	229	—	750
Honduras	---	---	—	—	—	—	896	—	—	—	896
Hong Kong	---	---	0	—	—	—	—	—	—	—	—
India	---	---	—	—	—	—	2	35	—	—	37
Indonesia	---	---	—	—	—	—	—	—	—	—	—
Ireland	---	---	0	—	—	—	—	—	—	—	—
Israel	---	---	0	—	—	—	—	—	—	—	—
Italy	---	---	3	—	—	—	—	—	—	—	—
Jamaica	---	---	0	—	—	—	49	61	—	—	110
Japan	---	---	0	—	—	—	—	—	—	—	—
Korea, South	---	---	426	—	—	—	1	—	—	—	1
Lebanon	---	---	—	—	—	—	—	—	—	—	—
Mexico	---	---	115	—	—	—	6,967	29	3	—	7,000
Montenegro	---	---	—	—	—	—	—	—	—	—	—
Morocco	---	---	—	—	—	—	—	—	—	—	—
Mozambique	---	---	—	—	—	—	—	—	—	—	—
Netherlands	---	---	—	—	—	—	308	—	—	—	308
New Zealand	---	---	—	0	—	—	—	—	—	—	—
Nicaragua	---	---	—	—	—	—	—	—	35	—	35
Nigeria	---	---	—	—	—	—	1	—	—	—	1
Norway	---	---	—	—	—	—	319	—	—	—	319
Pakistan	---	---	—	—	—	—	—	—	—	—	—
Panama	---	---	—	—	—	—	726	75	133	—	934
Peru	---	---	113	38	—	—	1,936	—	—	—	1,936
Philippines	---	---	44	—	—	—	—	—	—	—	—
Portugal	---	---	—	—	—	—	—	—	—	—	—
Puerto Rico	---	---	4	—	—	—	0	—	—	—	0
Romania	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia	---	---	40	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore	---	---	0	82	—	—	440	80	—	—	520
South Africa	---	---	—	—	—	—	—	—	—	—	—
Spain	---	---	—	—	—	—	—	—	133	—	133
Switzerland	---	---	1	—	—	—	0	—	—	—	0
Taiwan	---	---	0	—	—	—	1	—	—	—	1
Thailand	---	---	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	---	---	—	—	—	—	—	—	283	—	283
Turkey	---	---	—	—	—	—	—	—	—	—	—
United Arab Emirates	---	---	—	—	—	—	0	—	—	—	0
United Kingdom	---	---	99	—	—	—	0	—	—	—	0
Venezuela	---	---	—	—	—	—	—	0	—	—	0
Other	---	---	36	1	—	—	1,563	181	384	—	2,127
Total	---	---	1,812	374	—	—	22,792	1,325	3,075	—	27,192

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2021
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	—	—	—	28	—	—	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	24	—	76	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	—	—	—	—	—	—	—	—
Brazil	2	—	—	—	—	—	—	—
Canada	233	—	—	377	—	282	—	—
Cayman Islands	—	—	—	—	—	0	—	—
Chile	—	—	—	405	—	497	—	—
China	—	—	—	0	—	2	—	—
Colombia	3	—	—	—	—	—	—	—
Costa Rica	—	—	—	100	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	0	—	—	110	—	370	—	—
Ecuador	0	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—
El Salvador	0	—	—	81	—	0	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	0	—	—	52	—	—	—	—
Honduras	0	—	—	3	—	—	—	—
Hong Kong	—	—	—	—	—	—	—	—
India	—	—	—	0	—	—	—	—
Indonesia	—	—	—	—	—	0	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	—	—	—	333	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	—	—	—	100	—	—	—	—
Japan	—	—	—	—	—	0	—	—
Korea, South	—	—	—	0	—	—	—	—
Lebanon	—	—	—	0	—	—	—	—
Mexico	10	—	—	729	—	262	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	0	—	—	0	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	4	—	—	186	—	706	—	—
Peru	1	—	—	—	—	—	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	0	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	280	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	—	—	—
South Africa	—	—	—	0	—	—	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—	—	—
Thailand	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	0	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	1	—	—	—	—	—	—	—
United Kingdom	2	—	—	299	—	339	—	—
Venezuela	—	—	—	—	—	—	—	—
Other	1	—	—	94	—	131	—	—
Total	257	—	—	2,921	—	2,945	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, September 2021
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	0	—	70	55	0	693	693	—	23	23
Australia	0	263	0	5	—	847	1,733	30	28	58
Bahamas	—	—	1	3	—	900	900	—	30	30
Bahrain	—	—	—	0	—	1	1	—	0	0
Belgium	—	61	1	146	2	2,039	2,039	—	68	68
Belize	—	—	—	1	—	1	1	—	0	0
Brazil	1	824	0	254	1	9,993	11,682	56	333	389
Canada	124	937	194	294	8	15,668	22,842	239	522	761
Cayman Islands	—	—	2	0	—	146	146	—	5	5
Chile	1	—	—	85	—	4,718	4,718	—	157	157
China	2	3,712	0	25	0	11,355	13,828	82	378	461
Colombia	0	—	0	70	0	4,357	4,934	19	145	164
Costa Rica	—	—	9	11	—	1,362	1,362	—	45	45
Denmark	—	206	—	—	—	258	960	23	9	32
Dominican Republic	0	—	—	12	0	2,611	2,611	—	87	87
Ecuador	0	193	0	89	—	1,631	1,631	—	54	54
Egypt	—	—	—	0	—	1,759	1,759	—	59	59
El Salvador	—	—	0	5	—	899	899	—	30	30
Finland	—	—	—	1	—	214	214	—	7	7
France	0	99	—	1	0	116	3,086	99	4	103
Germany	2	0	2	1	—	6	2,154	72	0	72
Ghana	—	—	—	0	—	0	0	—	0	0
Gibraltar	—	—	—	—	—	757	757	—	25	25
Greece	—	220	—	0	—	220	220	—	7	7
Guatemala	0	—	—	10	—	1,845	1,845	—	61	61
Honduras	0	0	23	7	0	1,667	1,667	—	56	56
Hong Kong	0	—	—	2	—	2	2	—	0	0
India	2	833	0	80	0	4,883	15,617	358	163	521
Indonesia	0	—	1	1	0	4,082	4,082	—	136	136
Ireland	—	212	—	0	—	212	882	22	7	29
Israel	0	0	—	1	0	343	343	—	11	11
Italy	—	361	—	1	—	365	4,024	122	12	134
Jamaica	—	—	—	3	0	346	346	—	12	12
Japan	0	1,504	0	26	7	12,998	12,998	—	433	433
Korea, South	0	1	0	4	0	5,620	16,161	351	187	539
Lebanon	—	—	—	0	—	1	1	—	0	0
Mexico	14	2,106	222	1,569	19	32,856	32,856	—	1,095	1,095
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	289	—	—	—	772	772	—	26	26
Mozambique	—	55	—	—	—	55	55	—	2	2
Netherlands	2	157	0	5	—	3,147	14,550	380	105	485
New Zealand	0	110	0	1	1	112	112	—	4	4
Nicaragua	—	—	—	5	—	40	348	10	1	12
Nigeria	—	—	—	1	—	225	225	—	7	7
Norway	—	41	0	0	—	1,310	2,019	24	44	67
Pakistan	—	—	—	0	—	0	0	—	0	0
Panama	—	—	—	7	0	2,372	2,872	17	79	96
Peru	0	0	—	65	0	3,424	4,824	47	114	161
Philippines	0	0	—	1	0	46	46	—	2	2
Portugal	—	189	—	—	—	609	1,364	25	20	45
Puerto Rico	0	—	0	10	0	23	23	—	1	1
Romania	—	—	—	0	—	0	0	—	0	0
Saudi Arabia	0	0	0	2	0	323	323	—	11	11
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	—	0	17	—	1,442	7,418	199	48	247
South Africa	0	44	—	1	—	711	711	—	24	24
Spain	0	191	—	2	—	327	5,551	174	11	185
Switzerland	—	—	—	3	—	1,292	1,292	—	43	43
Taiwan	0	0	—	5	—	332	2,240	64	11	75
Thailand	0	—	0	2	0	2	2	—	0	0
Trinidad and Tobago	—	—	0	2	—	545	545	—	18	18
Turkey	0	1,324	—	1	—	2,631	2,631	—	88	88
United Arab Emirates	—	110	1	32	—	146	146	—	5	5
United Kingdom	0	189	0	1	0	2,838	8,134	177	95	271
Venezuela	—	—	—	5	—	6	6	—	0	0
Other	5	870	5	52	2	5,721	8,014	77	193	268
Total	153	15,101	531	2,982	40	154,222	234,217	2,667	5,141	7,807

-- = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2021
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	8	0	--	589	--	324	324	--	--	--
Australia	3,867	3,444	--	21	--	0	0	2	0	2
Bahamas	--	882	--	0	--	852	852	0	146	146
Bahrain	--	--	--	0	--	3	3	--	--	--
Belgium	1,242	5,714	--	2,156	--	1	1	0	--	0
Belize	--	131	--	--	--	484	484	--	0	0
Brazil	16,184	15,598	--	20,586	--	14,271	14,271	0	0	0
Canada	86,464	81,796	--	14,338	--	4,756	4,756	--	6,683	6,683
Cayman Islands	--	36	--	--	--	172	172	1	0	1
Chile	5,959	11,829	--	87	--	3,243	3,243	1	52	53
China	64,089	65,761	--	25	--	6	6	--	0	0
Colombia	4,683	148	--	8,198	--	9,127	9,127	0	671	671
Costa Rica	--	1,596	--	54	--	5,761	5,761	--	--	--
Denmark	6,558	--	--	186	--	--	--	1	0	2
Dominican Republic	5,959	9,408	--	2	--	2,695	2,695	--	0	0
Ecuador	--	10,812	--	372	--	4,186	4,186	--	25	25
Egypt	--	8,370	--	0	--	58	58	--	--	--
El Salvador	--	2,390	--	5	--	4,812	4,812	--	0	0
Finland	1	2,935	--	0	--	--	--	--	--	--
France	24,485	4,551	--	224	--	1	1	--	0	0
Germany	21,952	230	--	25	--	1	1	--	0	0
Ghana	--	486	--	0	--	--	--	--	--	--
Gibraltar	--	1,547	--	--	--	--	--	--	--	--
Greece	--	--	--	--	--	0	0	--	--	--
Guatemala	--	2,987	--	31	--	13,190	13,190	0	2	2
Honduras	--	4,183	--	8	--	4,728	4,728	--	0	0
Hong Kong	--	0	--	652	--	10	10	--	--	--
India	111,884	41,815	--	348	--	20	20	--	1	1
Indonesia	1,397	35,772	--	5	--	--	--	--	--	--
Ireland	8,488	--	--	--	--	1	1	--	--	--
Israel	2,310	1	--	66	--	8	8	--	0	0
Italy	28,805	1,011	--	16	--	0	0	--	--	--
Jamaica	--	298	--	0	--	896	896	--	2	2
Japan	2,750	106,270	--	13,408	--	4	4	7	183	190
Korea, South	97,799	44,250	--	10,949	--	13	13	3	6	9
Lebanon	--	--	--	--	--	1	1	--	--	--
Mexico	--	47,089	--	4,331	--	124,461	124,461	28	12,128	12,156
Montenegro	--	--	--	--	--	--	--	--	--	--
Morocco	--	10,366	--	--	--	--	--	--	--	--
Mozambique	--	--	--	--	--	--	--	--	--	--
Netherlands	80,136	14,344	--	12,572	--	124	124	20	320	340
New Zealand	--	2	--	1	--	0	0	--	--	--
Nicaragua	2,190	0	--	--	--	1,017	1,017	--	--	--
Nigeria	--	5,094	--	0	--	1,788	1,788	--	--	--
Norway	9,159	9,523	--	553	--	--	--	--	0	0
Pakistan	--	--	--	--	--	0	0	--	--	--
Panama	3,900	618	--	7	--	7,451	7,451	0	131	131
Peru	5,436	3,594	--	427	--	7,143	7,143	1	626	627
Philippines	--	525	--	2	--	--	--	--	--	--
Portugal	5,153	6,880	--	--	--	--	--	--	0	0
Puerto Rico	--	271	--	26	--	332	332	1	3	4
Romania	--	--	--	--	--	--	--	--	--	--
Saudi Arabia	--	0	--	7	--	2	2	--	1	1
Serbia (Excludes Kosovo) ..	--	--	--	--	--	--	--	--	--	--
Singapore	40,560	11,332	--	4,277	--	795	795	--	0	0
South Africa	798	2,867	--	--	--	320	320	--	--	--
Spain	21,313	3,236	--	33	--	126	126	--	--	--
Switzerland	2,847	4,464	--	1,443	--	--	--	--	--	--
Taiwan	42,341	593	--	2,364	--	7	7	0	0	1
Thailand	10,241	0	--	20	--	--	--	--	--	--
Trinidad and Tobago	--	46	--	1	--	482	482	--	--	--
Turkey	--	12,286	--	0	--	0	0	--	0	0
United Arab Emirates	--	0	--	4	--	4	4	--	0	0
United Kingdom	58,950	10,403	--	2,261	--	181	181	--	200	200
Venezuela	--	2	--	1	--	2	2	1	0	1
Other	19,489	21,681	--	1,273	--	3,322	3,322	3	4	6
Total	797,397	629,467	--	101,954	--	217,181	217,181	69	21,184	21,254

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2021
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	---	---	0	—	—	—	2,386	613	941	—	3,940
Australia	---	---	34	0	—	—	4	—	—	—	4
Bahamas	---	---	1	—	—	—	1,521	18	2,725	—	4,264
Bahrain	---	---	1	—	—	—	—	—	—	—	—
Belgium	---	---	2	—	—	—	920	—	202	—	1,122
Belize	---	---	0	—	—	—	429	—	—	—	429
Brazil	---	---	730	—	—	—	32,919	3,022	1,168	—	37,109
Canada	---	---	6,180	3,048	—	—	136	3,432	862	—	4,430
Cayman Islands	---	---	—	—	—	—	1,199	—	—	—	1,199
Chile	---	---	4	1	—	—	25,957	310	642	—	26,909
China	---	---	2,385	—	—	—	8	—	1	—	9
Colombia	---	---	593	—	—	—	5,555	150	0	—	5,705
Costa Rica	---	---	3	—	—	—	5,496	—	—	—	5,496
Denmark	---	---	—	—	—	—	596	40	—	—	636
Dominican Republic	---	---	7	—	—	—	2,174	357	1,600	—	4,131
Ecuador	---	---	0	—	—	—	3,092	2,168	451	—	5,711
Egypt	---	---	2	—	—	—	5	—	—	—	5
El Salvador	---	---	—	—	—	—	1,004	388	898	—	2,290
Finland	---	---	346	—	—	—	2	—	—	—	2
France	---	---	175	—	—	—	331	—	—	—	331
Germany	---	---	5	9	—	—	0	—	—	—	0
Ghana	---	---	—	—	—	—	—	—	—	—	—
Gibraltar	---	---	—	—	—	—	3,325	40	2,520	—	5,885
Greece	---	---	1	—	—	—	—	—	—	—	—
Guatemala	---	---	0	—	—	—	6,924	404	2,125	—	9,452
Honduras	---	---	0	—	—	—	7,444	435	—	—	7,879
Hong Kong	---	---	0	—	—	—	—	—	—	—	—
India	---	---	2,545	—	—	—	73	35	15	—	123
Indonesia	---	---	0	0	—	—	1,349	—	—	—	1,349
Ireland	---	---	0	—	—	—	316	—	—	—	316
Israel	---	---	5	—	—	—	0	—	—	—	0
Italy	---	---	43	0	—	—	0	359	—	—	359
Jamaica	---	---	312	—	—	—	918	229	225	—	1,372
Japan	---	---	5	—	—	—	5	—	—	—	5
Korea, South	---	---	2,860	4	—	—	838	0	—	—	838
Lebanon	---	---	—	—	—	—	0	—	—	—	0
Mexico	---	---	774	36	—	—	76,913	566	661	—	78,140
Montenegro	---	---	—	—	—	—	—	—	—	—	—
Morocco	---	---	—	—	—	—	326	—	—	—	326
Mozambique	---	---	—	—	—	—	—	—	—	—	—
Netherlands	---	---	362	199	—	—	2,513	610	1,126	—	4,249
New Zealand	---	---	0	0	—	—	0	—	—	—	0
Nicaragua	---	---	0	—	—	—	801	215	857	—	1,873
Nigeria	---	---	605	—	—	—	2	—	—	—	2
Norway	---	---	69	2	—	—	400	—	—	—	400
Pakistan	---	---	—	—	—	—	—	—	—	—	—
Panama	---	---	0	—	—	—	14,511	3,022	967	—	18,500
Peru	---	---	877	278	—	—	17,589	0	299	—	17,888
Philippines	---	---	642	—	—	—	—	—	—	—	—
Portugal	---	---	—	—	—	—	0	—	—	—	0
Puerto Rico	---	---	33	—	—	—	5	1	0	—	7
Romania	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia	---	---	422	—	—	—	11	—	—	—	11
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore	---	---	132	86	—	—	6,518	80	1,376	—	7,974
South Africa	---	---	0	—	—	—	0	—	—	—	0
Spain	---	---	0	—	—	—	63	—	443	—	506
Switzerland	---	---	30	—	—	—	578	—	0	—	578
Taiwan	---	---	2	0	—	—	1	—	—	—	1
Thailand	---	---	0	—	—	—	1	—	—	—	1
Trinidad and Tobago	---	---	0	—	—	—	1,183	780	1,023	—	2,986
Turkey	---	---	110	0	—	—	1	—	—	—	1
United Arab Emirates	---	---	1	—	—	—	1	—	—	—	1
United Kingdom	---	---	398	—	—	—	7,375	—	310	—	7,685
Venezuela	---	---	0	—	—	—	25	0	—	—	26
Other	---	---	233	83	—	—	9,058	3,681	3,526	—	16,264
Total	---	---	20,929	3,746	—	—	242,801	20,955	24,963	—	288,719

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2021
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	0	—	—	79	—	—	—	—
Australia	0	—	—	0	—	0	—	—
Bahamas	—	—	—	504	—	1,893	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	0	—	—
Belize	—	—	—	32	—	—	—	—
Brazil	2	—	—	122	—	—	—	—
Canada	351	—	—	3,224	—	7,326	—	—
Cayman Islands	—	—	—	6	—	1	—	—
Chile	0	—	—	2,170	—	2,112	—	—
China	0	—	—	1	—	13	—	—
Colombia	13	—	—	6	—	1	—	—
Costa Rica	—	—	—	923	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	0	—	—	1,021	—	1,140	—	—
Ecuador	2	—	—	2	—	0	—	—
Egypt	0	—	—	1	—	—	—	—
El Salvador	0	—	—	420	—	0	—	—
Finland	—	—	—	—	—	0	—	—
France	—	—	—	0	—	0	—	—
Germany	—	—	—	—	—	6	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	0	—	—	—	—
Guatemala	0	—	—	545	—	0	—	—
Honduras	0	—	—	326	—	75	—	—
Hong Kong	0	—	—	—	—	0	—	—
India	—	—	—	0	—	4	—	—
Indonesia	—	—	—	—	—	0	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	1,154	—	0	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	161	—	369	—	—
Japan	—	—	—	0	—	1	—	—
Korea, South	0	—	—	0	—	0	—	—
Lebanon	—	—	—	0	—	507	—	—
Mexico	633	—	—	9,876	—	3,782	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	0	—	—	—	—	1,569	—	—
New Zealand	0	—	—	0	—	0	—	—
Nicaragua	56	—	—	176	—	—	—	—
Nigeria	—	—	—	0	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	5	—	—	1,852	—	2,422	—	—
Peru	8	—	—	413	—	1	—	—
Philippines	—	—	—	—	—	0	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	126	—	0	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	3	—	2,432	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	7	—	—	0	—	3,350	—	—
South Africa	—	—	—	0	—	1	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	0	—	0	—	—
Thailand	—	—	—	0	—	0	—	—
Trinidad and Tobago	—	—	—	1	—	—	—	—
Turkey	—	—	—	—	—	0	—	—
United Arab Emirates	2	—	—	2	—	0	—	—
United Kingdom	2	—	—	300	—	341	—	—
Venezuela	0	—	—	—	—	—	—	—
Other	5	—	—	1,014	—	1,854	—	—
Total	1,086	—	—	24,460	—	29,200	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-September 2021
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	2	168	210	371	0	5,684	5,692	0	21	21
Australia	8	1,900	2	47	2	5,466	9,333	14	20	34
Bahamas	—	—	15	19	2	8,578	8,578	—	31	31
Bahrain	0	—	—	1	—	5	5	—	0	0
Belgium	1	1,178	1	3,912	7	14,095	15,336	5	52	56
Belize	—	—	—	10	—	1,086	1,086	—	4	4
Brazil	7	14,880	0	3,461	7	106,773	122,957	59	391	450
Canada	1,013	4,796	1,702	2,531	60	142,235	228,698	317	521	838
Cayman Islands	—	—	14	10	0	1,438	1,438	—	5	5
Chile	5	3	341	698	0	47,454	53,413	22	174	196
China	23	26,313	8	168	6	94,718	158,806	235	347	582
Colombia	2	0	1	928	3	25,397	30,080	17	93	110
Costa Rica	1	610	390	144	0	14,977	14,977	—	55	55
Denmark	0	889	—	0	—	1,712	8,270	24	6	30
Dominican Republic	1	1,102	283	170	1	19,960	25,919	22	73	95
Ecuador	0	1,893	1	402	0	23,405	23,405	—	86	86
Egypt	0	862	—	4	—	9,302	9,302	—	34	34
El Salvador	0	301	0	196	—	10,415	10,415	—	38	38
Finland	—	349	0	8	—	3,640	3,642	0	13	13
France	2	1,935	—	35	0	7,254	31,739	90	27	116
Germany	24	199	27	52	1	579	22,531	80	2	83
Ghana	0	—	—	3	—	489	489	—	2	2
Gibraltar	—	—	—	—	—	7,432	7,432	—	27	27
Greece	—	1,407	—	3	—	1,411	1,411	—	5	5
Guatemala	2	1,741	—	202	—	28,153	28,153	—	103	103
Honduras	1	1,346	212	106	0	18,864	18,864	—	69	69
Hong Kong	1	0	—	13	1	678	678	—	2	2
India	12	4,949	3	974	2	50,795	162,679	410	186	596
Indonesia	1	0	7	16	0	37,150	38,548	5	136	141
Ireland	0	958	—	3	0	1,278	9,766	31	5	36
Israel	0	695	—	294	0	2,224	4,534	8	8	17
Italy	6	5,192	0	6	1	6,635	35,439	106	24	130
Jamaica	0	0	0	58	1	3,470	3,470	—	13	13
Japan	6	13,254	6	116	36	133,302	136,053	10	488	498
Korea, South	2	125	4	66	3	59,125	156,924	358	217	575
Lebanon	—	114	—	6	—	628	628	—	2	2
Mexico	146	18,769	1,832	10,030	144	312,198	312,198	—	1,144	1,144
Montenegro	—	—	—	0	—	0	0	—	0	0
Morocco	—	3,701	—	0	—	14,393	14,393	—	53	53
Mozambique	—	695	—	0	—	696	696	—	3	3
Netherlands	53	3,039	13	106	2	36,972	117,108	294	135	429
New Zealand	0	435	284	7	1	730	730	—	3	3
Nicaragua	—	0	—	54	—	3,176	5,366	8	12	20
Nigeria	0	0	0	11	—	7,501	7,501	—	27	27
Norway	0	723	1	6	—	11,277	20,435	34	41	75
Pakistan	0	592	1	1	0	594	594	—	2	2
Panama	2	—	92	376	0	31,456	35,356	14	115	130
Peru	1	1	0	592	2	31,850	37,285	20	117	137
Philippines	1	1	0	15	2	1,187	1,187	—	4	4
Portugal	0	471	—	1	—	7,353	12,505	19	27	46
Puerto Rico	0	—	5	100	0	904	904	—	3	3
Romania	—	171	—	3	—	174	174	—	1	1
Saudi Arabia	0	141	1	43	0	3,064	3,064	—	11	11
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	1	1	228	0	28,185	68,746	149	103	252
South Africa	1	593	—	477	—	4,259	5,057	3	16	19
Spain	6	6,066	—	11	0	9,984	31,297	78	37	115
Switzerland	0	—	—	4	0	6,518	9,365	10	24	34
Taiwan	1	2	2	49	1	3,023	45,365	155	11	166
Thailand	1	0	2	35	2	61	10,301	38	0	38
Trinidad and Tobago	—	1	0	99	0	3,616	3,616	—	13	13
Turkey	0	7,623	0	228	1	20,250	20,250	—	74	74
United Arab Emirates	0	864	8	342	0	1,227	1,227	—	4	4
United Kingdom	7	666	1	49	4	22,498	81,447	216	82	298
Venezuela	0	—	—	51	—	83	83	—	0	0
Other	7	5,879	112	572	13	52,310	71,802	70	194	263
Total	1,346	137,593	5,582	28,523	305	1,511,346	2,308,742	2,921	5,536	8,457

-- = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2021
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	860	-7	-	59	-	11	11	-	15	15
Algeria	-	-	-	18	-	-	-	-	-	-
Angola	29	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	29	-	-	12	-	-	-	-	-	-
Kuwait	46	-	-	2	-	-	-	-	-	-
Libya	96	-	-	-	-	-	-	-	-	-
Nigeria	101	-7	-	-	-	-	-	-	10	10
Saudi Arabia	491	0	-	27	-	11	11	-	5	5
United Arab Emirates	69	-	-	0	-	0	0	-	-	-
Venezuela	-	0	-	0	-	-	-	-	-	-
Non-OPEC	3,000	-2,033	14	133	-	-606	-606	205	453	658
Argentina	55	0	-	-4	-	2	2	-	5	5
Aruba	-	0	-	-	-	-2	-2	-	-	-
Australia	-30	-19	-	0	-	-	-	0	-	0
Bahamas	-	-1	-	-	-	-1	-1	-	-	-
Bahrain	-	-	-	-	-	0	0	-	-	-
Belgium	-	-33	-	-11	-	0	0	4	4	9
Brazil	153	-19	-	-71	-	-79	-79	-	34	34
Brunei	77	-	-	-	-	-	-	-	-	-
Cameroon	5	0	-	-	-	-	-	-	-	-
Canada	3,540	-177	14	-12	-	3	3	85	0	84
Chad	-	-	-	-	-	-	-	-	-	-
China	-82	-254	-	0	-	0	0	-	-	-
Colombia	106	-3	-	-18	-	-57	-57	-	-4	-4
Denmark	-23	-	-	0	-	1	1	-	0	0
Dominican Republic	-	-49	-	0	-	-8	-8	-	-	-
Ecuador	133	-35	-	25	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-6	-	0	-	-	-	-	14	14
France	-99	0	-	-1	-	-	-	9	8	17
Germany	-72	-	-	-	-	1	1	-	4	4
Guatemala	9	-5	-	0	-	-29	-29	0	-	0
Honduras	-	-6	-	0	-	-18	-18	-	-	-
India	-358	-131	-	0	-	-	-	-	80	80
Indonesia	-	-136	-	0	-	-	-	-	-	-
Italy	-122	-	-	-	-	6	6	11	17	28
Japan	-	-346	-	-36	-	0	0	0	4	4
Korea, South	-351	-138	-	-35	-	30	30	-	4	4
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	0	-	-	-	-	10	10
Mexico	671	-215	-	31	-	-424	-424	-	-36	-36
Netherlands	-380	-49	-	-39	-	27	27	47	55	102
Norway	13	-29	-	-3	-	14	14	10	13	23
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-17	-2	-	0	-	-15	-15	-	-	-
Portugal	-25	-14	-	-	-	2	2	-	48	48
Puerto Rico	-	0	-	0	-	0	0	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	208	-	-	319	-	6	6	4	47	51
Spain	-174	-	-	0	-	3	3	-	47	47
Sweden	-24	-46	-	-	-	-	-	-	31	31
Trinidad and Tobago	62	-1	-	0	-	-8	-8	-	-	-
United Kingdom	-150	-38	-	-25	-	11	11	35	39	73
Vietnam	-	-	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	0	0	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-125	-281	0	13	-	-71	-71	0	29	30
Total	3,860	-2,040	14	192	-	-595	-595	205	468	673
Persian Gulf²	634	0	-	40	-	11	11	-	5	5

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
OPEC	--	--	-1	-	-	-	30	0	-	-	30
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	0	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	21	-	-	-	21
Saudi Arabia	--	--	-1	-	-	-	7	-	-	-	7
United Arab Emirates	--	--	-	-	-	-	2	-	-	-	2
Venezuela	--	--	-	-	-	-	-	0	-	-	0
Non-OPEC	--	--	-51	1	21	-	-565	-44	-102	-	-712
Argentina	--	--	-	-	-	-	-14	-	-	-	-14
Aruba	--	--	-	-	-	-	-1	-	-	-	-1
Australia	--	--	0	-	-	-	0	-	-	-	0
Bahamas	--	--	0	-	-	-	-5	-1	-19	-	-24
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-1	-	-	-	-1
Brazil	--	--	8	-	-	-	-99	-6	-22	-	-127
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-29	0	-	-	87	-16	-3	-	68
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	-	-	-	0	-	-	-	0
Colombia	--	--	-1	-	-	-	-50	0	-	-	-50
Denmark	--	--	-	-	-	-	-2	-	-	-	-2
Dominican Republic	--	--	0	-	-	-	-1	-6	-4	-	-11
Ecuador	--	--	-	-	-	-	-10	-	-	-	-10
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-1	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	0	-	-	-	0
Guatemala	--	--	0	-	-	-	-17	-	-8	-	-25
Honduras	--	--	-	-	-	-	-30	-	-	-	-30
India	--	--	-	-	-	-	9	-1	-	-	7
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	0	-	-	-	-	-	-	-	-
Japan	--	--	0	-	-	-	-	-	-	-	-
Korea, South	--	--	-14	2	-	-	0	-	-	-	0
Latvia	--	--	-	-	-	-	0	-	-	-	0
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	0	-	-	-	-	0	-	0
Mexico	--	--	-4	-	-	-	-232	-1	0	-	-233
Netherlands	--	--	-	-	-	-	28	-	-	-	28
Norway	--	--	-	-	-	-	-11	-	-	-	-11
Oman	--	--	-	-	-	-	-	-	-	-	-
Panama	--	--	-	-	-	-	-24	-2	-4	-	-31
Portugal	--	--	-	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	-	-	-	0	-	-	-	0
Qatar	--	--	-	-	-	-	17	-	-	-	17
Russia	--	--	-	-	-	-	24	-	-	-	24
Spain	--	--	-	4	-	-	-	-	-4	-	-4
Sweden	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-9	-	-9
United Kingdom	--	--	-3	-	-	-	0	-	-	-	0
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	0	-	-	-	-17	-3	-	-	-20
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-7	-5	21	-	-216	-8	-29	-	-253
Total	--	--	-52	1	21	-	-536	-44	-102	-	-682
Persian Gulf²	--	--	-1	-	-	-	26	-	-	-	26

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	10	3	-9	-	-
Algeria	-	-	-	3	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-
Kuwait	-	-	-	3	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	3	3	-9	-	-
United Arab Emirates	0	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Non-OPEC	0	1	-	115	13	98	19	2
Argentina	-	-	-	-1	-	-	3	-
Aruba	0	-	-	-3	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	36	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	1	-
Brazil	0	-	-	-	2	-	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-8	0	-	-9	3	19	1	2
Chad	-	-	-	-	-	-	-	-
China	-	-	-	0	-	0	-	-
Colombia	0	-	-	-	-	2	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	0	-	-	-4	-	-12	-	-
Ecuador	0	-	-	-	-	6	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	0	1	-
Guatemala	0	-	-	-2	-	-	-	-
Honduras	0	-	-	0	-	-	-	-
India	-	-	-	46	2	-	-	-
Indonesia	-	-	-	-	-	0	-	-
Italy	-	-	-	-	-	-	-	-
Japan	8	-	-	27	-	0	4	-
Korea, South	-	-	-	129	6	-	-	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	-	-	-	-	-
Mexico	0	-	-	-24	-	82	3	-
Netherlands	-	1	-	-	-	0	2	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-6	-	-24	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	0	-	-
Qatar	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	15	3	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	0	-	-	-	-
United Kingdom	0	-	-	-10	-	-11	1	-
Vietnam	0	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-27	0	-15	0	0
Total	0	1	-	124	16	88	19	2
Persian Gulf²	0	-	-	6	3	-9	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, September 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-4	0	-1	0	104	963
Algeria	-	-	-	0	-	22	22
Angola	-	-	-	-	-	-	29
Congo (Brazzaville)	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	0	-	0	0
Gabon	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	12	40
Kuwait	-	-	-	0	-	5	51
Libya	-	-	-	0	-	0	96
Nigeria	-	-	-	0	-	24	125
Saudi Arabia	0	0	0	0	0	45	536
United Arab Emirates	-	-4	0	-1	-	-3	66
Venezuela	-	-	-	0	-	0	0
Non-OPEC	2	-493	42	-62	-1	-2,839	160
Argentina	0	-	-2	-2	0	-12	43
Aruba	-	-	-	0	-	-6	-6
Australia	0	-9	0	0	-	-28	-58
Bahamas	-	-	0	0	-	8	8
Bahrain	-	-	-	2	-	2	2
Belgium	-	-2	0	-5	0	-43	-43
Brazil	0	-22	0	-8	0	-282	-129
Brunei	-	-	-	-	-	-	77
Cameroon	-	-	-	0	-	0	5
Canada	-1	-30	48	-1	0	-24	3,516
Chad	-	-	-	0	-	0	0
China	1	-124	0	-1	0	-378	-460
Colombia	0	-	3	-2	0	-130	-24
Denmark	-	-7	-	-	-	-8	-31
Dominican Republic	0	-	-	0	0	-85	-85
Ecuador	0	-6	0	-3	-	-23	111
Estonia	-	-	-	-	-	-	-
Finland	-	-	-	0	-	7	7
France	0	-3	-	0	0	13	-86
Germany	0	0	0	0	-	6	-66
Guatemala	0	-	-	0	-	-61	-52
Honduras	0	0	-1	0	0	-56	-56
India	0	-28	0	-3	0	-27	-384
Indonesia	0	-	0	0	0	-136	-136
Italy	-	-12	-	0	-	22	-100
Japan	0	-50	0	-1	0	-390	-390
Korea, South	0	0	0	8	0	-8	-359
Latvia	-	-	-	0	-	0	0
Lithuania	-	-	-	0	0	0	0
Malaysia	1	0	-	0	-	10	10
Mexico	0	-70	-7	-52	-1	-952	-281
Netherlands	0	-5	0	1	-	69	-311
Norway	-	-1	0	0	-	-7	6
Oman	-	-2	-	0	-	-2	-2
Panama	-	-	-	0	0	-79	-96
Portugal	-	-6	-	-	-	30	4
Puerto Rico	0	-	0	0	0	-1	-1
Qatar	-	-	-	12	-	29	29
Russia	-	-	-	2	-	421	630
Spain	0	-6	-	0	-	44	-130
Sweden	-	-	-	0	-	-15	-39
Trinidad and Tobago	-	-	0	0	-	-18	44
United Kingdom	0	-6	0	0	0	-9	-159
Vietnam	0	-	0	0	-	0	0
Virgin Islands, U.S.	-	-	0	0	-	-20	-20
Yemen	-	-	-	0	-	0	0
Other	1	-104	1	-9	0	-700	-828
Total	2	-496	42	-64	-1	-2,736	1,124
Persian Gulf²	0	-4	0	13	0	90	724

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2021
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	766	-17	-	53	-	-2	-2	4	40	44
Algeria	22	-	-	11	-	0	0	-	1	1
Angola	35	-	-	1	-	-	-	-	2	2
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	2	-	-	-	-	-	-	0	0
Gabon	-	-	-	-	-	-	-	-	0	0
Iran	4	-	-	-	-	-	-	-	-	-
Iraq	138	-	-	7	-	-	-	-	0	0
Kuwait	21	0	-	0	-	0	0	-	-	-
Libya	91	-	-	1	-	0	0	-	-	-
Nigeria	114	-18	-	0	-	-6	-6	-	10	10
Saudi Arabia	327	0	-	26	-	5	5	4	23	27
United Arab Emirates	15	0	-	6	-	0	0	-	4	4
Venezuela	-	0	-	0	-	0	0	0	0	0
Non-OPEC	2,379	-2,137	17	152	-	-666	-666	215	412	627
Argentina	25	0	-	-2	-	-1	-1	-	3	3
Aruba	-	0	-	0	-	-1	-1	-	0	0
Australia	-14	-13	-	0	-	0	0	0	0	0
Bahamas	-	-3	-	0	-	-3	-3	0	-1	-1
Bahrain	-	-	-	0	-	0	0	-	-	-
Belgium	-5	-21	-	-3	-	3	3	10	14	24
Brazil	39	-57	-	-75	-	-50	-50	0	25	25
Brunei	26	-	-	-	-	-	-	-	-	-
Cameroon	5	0	-	-	-	0	0	-	-	-
Canada	3,399	-151	16	-45	-	3	3	104	14	118
Chad	-	-	-	-	-	-	-	-	-	-
China	-235	-241	-	0	-	0	0	-	0	0
Colombia	158	-1	-	-29	-	-33	-33	0	-2	-2
Denmark	-24	-	-	-1	-	0	0	0	0	1
Dominican Republic	-22	-34	-	0	-	-10	-10	-	0	0
Ecuador	149	-40	-	13	-	-15	-15	-	0	0
Estonia	-	-	-	0	-	-	-	-	0	0
Finland	0	-11	-	0	-	1	1	-	22	22
France	-90	-17	-	0	-	1	1	12	14	26
Germany	-80	-1	-	1	-	1	1	0	2	2
Guatemala	3	-11	-	0	-	-48	-48	0	0	0
Honduras	-	-15	-	0	-	-17	-17	-	0	0
India	-410	-153	-	-1	-	5	5	-	65	65
Indonesia	-5	-131	-	0	-	-	-	-	-	-
Italy	-106	-4	-	3	-	8	8	1	29	30
Japan	-10	-389	-	-49	-	0	0	0	4	4
Korea, South	-358	-162	-	-40	-	13	13	0	19	19
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-3	-	-	-	-	2	2	-	2	2
Malaysia	-	0	-	1	-	0	0	-	1	1
Mexico	608	-172	0	32	-	-456	-456	0	-43	-43
Netherlands	-294	-53	-	-44	-	21	21	42	50	92
Norway	7	-34	-	1	-	3	3	13	8	21
Oman	-	-	-	0	-	0	0	-	0	0
Panama	-14	-2	-	0	-	-27	-27	0	0	0
Portugal	-19	-25	-	-	-	1	1	7	25	33
Puerto Rico	-	-1	-	0	-	-1	-1	0	0	0
Qatar	-	-	-	0	-	0	0	0	-	0
Russia	212	0	-	378	-	19	19	2	51	52
Spain	-78	-12	-	0	-	2	2	0	26	26
Sweden	-20	-19	-	0	-	1	1	1	11	12
Trinidad and Tobago	42	0	-	0	-	-2	-2	-	-	-
United Kingdom	-171	-38	-	-3	-	3	3	23	23	45
Vietnam	-2	-10	-	0	-	0	0	0	0	0
Virgin Islands, U.S.	-31	-3	-	8	-	-2	-2	-	7	7
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-303	-313	1	7	-	-87	-87	0	43	43
Total	3,144	-2,153	17	205	-	-668	-668	219	452	671
Persian Gulf²	505	0	-	39	-	4	4	4	27	31

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
OPEC	--	--	-4	-	-	-	30	0	-	-	30
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	0	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	0	-	-	-	0
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	0	-	-	-	0	-	-	-	0
Libya	--	--	-	-	-	-	0	-	-	-	0
Nigeria	--	--	-2	-	-	-	11	-	-	-	11
Saudi Arabia	--	--	-2	-	-	-	14	-	-	-	14
United Arab Emirates	--	--	0	-	-	-	5	-	-	-	5
Venezuela	--	--	0	-	-	-	0	0	-	-	0
Non-OPEC	--	--	-69	-2	26	0	-644	-72	-90	-	-806
Argentina	--	--	0	-	-	-	-9	-2	-3	-	-14
Aruba	--	--	0	-	-	-	0	-	0	-	-1
Australia	--	--	0	0	-	-	0	-	-	-	0
Bahamas	--	--	0	-	-	-	-6	0	-10	-	-16
Bahrain	--	--	0	-	-	-	1	-	-	-	1
Belgium	--	--	0	-	-	-	12	-	-1	-	11
Brazil	--	--	2	-	-	-	-120	-11	-4	-	-136
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-23	-3	-	0	126	-12	-3	-	110
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-9	-	-	-	0	-	0	-	0
Colombia	--	--	-2	-	-	-	-2	-1	0	-	-3
Denmark	--	--	-	-	-	-	-2	0	-	-	-2
Dominican Republic	--	--	0	-	-	-	-8	-1	-6	-	-15
Ecuador	--	--	0	-	-	-	-11	-8	-2	-	-21
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-1	-	-	-	1	-	-	-	1
France	--	--	-1	-	-	-	0	-	-	-	0
Germany	--	--	0	2	-	-	0	-	-	-	0
Guatemala	--	--	0	-	-	-	-25	-1	-8	-	-35
Honduras	--	--	0	-	-	-	-27	-2	-	-	-29
India	--	--	-9	-	-	-	14	0	0	-	14
Indonesia	--	--	0	0	-	-	-4	-	-	-	-4
Italy	--	--	0	0	-	-	0	-1	-	-	-1
Japan	--	--	0	-	-	-	1	-	-	-	1
Korea, South	--	--	-10	1	-	-	1	5	-	-	6
Latvia	--	--	-	-	-	-	0	-	-	-	0
Lithuania	--	--	-	-	-	-	0	-	-	-	0
Malaysia	--	--	0	0	-	-	-4	-	0	-	-4
Mexico	--	--	-3	0	-	-	-281	-2	-2	-	-286
Netherlands	--	--	-1	-1	-	-	10	-2	-4	-	4
Norway	--	--	0	0	-	-	-1	-	-	-	-1
Oman	--	--	0	-	-	-	6	-	-	-	6
Panama	--	--	0	-	-	-	-53	-11	-4	-	-68
Portugal	--	--	-	-	-	-	1	-	-	-	1
Puerto Rico	--	--	0	-	-	-	0	0	0	-	0
Qatar	--	--	0	-	-	-	9	-	-	-	9
Russia	--	--	-	-	-	-	20	0	-	-	20
Spain	--	--	0	1	-	-	0	-	-2	-	-2
Sweden	--	--	-1	-	-	-	0	-	-	-	0
Trinidad and Tobago	--	--	0	-	-	-	-4	-3	-4	-	-11
United Kingdom	--	--	-1	-	-	-	-27	-	-1	-	-28
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	0	-	-	-	-5	-3	1	-	-8
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-10	-2	26	0	-257	-17	-37	-	-305
Total	--	--	-72	-2	26	0	-614	-72	-90	-	-776
Persian Gulf²	--	--	-2	-	-	-	30	-	-	-	30

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	21	1	-5	0	-
Algeria	-	-	-	4	-	0	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	0	-	-
Gabon	0	-	-	-	-	0	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	6	-	2	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	0	-	-	0	-
Saudi Arabia	-	-	-	2	1	-9	-	-
United Arab Emirates	0	-	-	9	-	0	-	-
Venezuela	0	-	-	-	-	-	-	-
Non-OPEC	-3	1	-	48	10	75	15	4
Argentina	0	-	-	0	-	-	0	0
Aruba	0	-	-	-2	-	-	-	-
Australia	0	-	-	0	-	0	-	-
Bahamas	-	-	-	-2	-	1	-	-
Bahrain	-	-	-	-	-	1	-	-
Belgium	-	-	-	1	-	0	1	-
Brazil	0	-	-	0	1	6	-	-
Brunei	-	-	-	1	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-1	0	-	2	2	-4	2	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	2	-	0	-	-
Colombia	0	-	-	0	-	3	-	-
Denmark	-	-	-	-	-	0	-	-
Dominican Republic	0	-	-	-4	-	-4	-	-
Ecuador	0	-	-	0	-	6	-	-
Estonia	-	0	-	-	-	1	-	-
Finland	-	-	-	-	-	0	0	-
France	-	-	-	1	-	0	0	1
Germany	-	-	-	-	-	0	0	-
Guatemala	0	-	-	-2	-	0	-	-
Honduras	0	-	-	-1	-	0	-	-
India	-	-	-	14	1	3	-	-
Indonesia	-	-	-	0	-	0	0	-
Italy	-	-	-	4	-	1	-	-
Japan	1	-	-	11	1	0	2	-
Korea, South	0	-	-	83	4	0	1	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	0	-	-1	-	-
Mexico	-2	-	-	-36	0	51	4	-
Netherlands	0	1	-	1	0	-3	0	-
Norway	-	-	-	-	-	0	-	-
Oman	-	-	-	0	-	-	-	-
Panama	0	-	-	-7	-	-8	-	-
Portugal	-	-	-	0	-	-	-	-
Puerto Rico	0	-	-	0	-	0	-	-
Qatar	0	-	-	0	-	0	-	-
Russia	-	-	-	-	-	31	1	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	0	-	-	-	-
United Kingdom	0	-	-	-1	-	-1	1	-
Vietnam	0	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	2	-	4	1	-
Yemen	-	-	-	-	-	-	-	-
Other	-1	0	-	-19	1	-12	2	1
Total	-3	1	-	69	11	70	16	4
Persian Gulf²	0	-	-	17	1	-6	-	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-September 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-2	0	3	0	123	889
Algeria	—	—	0	0	—	16	38
Angola	—	—	—	0	—	4	39
Congo (Brazzaville)	—	—	—	—	—	—	1
Equatorial Guinea	—	0	—	0	—	1	1
Gabon	—	—	—	0	—	0	0
Iran	—	—	—	—	—	—	4
Iraq	0	—	—	0	—	7	145
Kuwait	0	1	—	0	—	9	30
Libya	—	—	—	0	—	1	91
Nigeria	0	0	0	0	—	-6	108
Saudi Arabia	0	1	0	0	0	66	392
United Arab Emirates	0	-3	0	3	0	24	39
Venezuela	0	—	—	0	—	0	0
Non-OPEC	1	-492	32	-60	-1	-3,227	-849
Argentina	0	3	-1	-1	0	-13	12
Aruba	0	—	0	0	—	-4	-4
Australia	0	-7	0	0	0	-20	-34
Bahamas	—	—	0	0	0	-24	-24
Bahrain	0	—	—	3	—	5	5
Belgium	0	-4	0	-14	0	-2	-6
Brazil	0	-52	0	-13	0	-350	-311
Brunei	—	—	—	0	—	1	27
Cameroon	—	0	0	0	—	0	5
Canada	-1	-17	44	1	0	58	3,458
Chad	—	—	—	0	—	0	0
China	1	-96	0	-1	0	-344	-579
Colombia	0	0	1	-3	0	-69	89
Denmark	0	-3	—	0	—	-5	-29
Dominican Republic	0	-4	-1	-1	0	-73	-95
Ecuador	0	-7	0	-1	0	-66	84
Estonia	—	—	—	0	—	1	1
Finland	—	-1	0	0	—	11	11
France	0	-7	—	0	0	4	-86
Germany	0	-1	0	0	0	4	-76
Guatemala	0	-6	—	-1	—	-103	-100
Honduras	0	-5	-1	0	0	-69	-69
India	0	-18	0	-4	0	-84	-494
Indonesia	0	0	0	3	0	-133	-138
Italy	0	-19	0	0	0	22	-83
Japan	0	-48	0	0	0	-467	-477
Korea, South	0	0	0	8	0	-77	-436
Latvia	0	—	—	0	0	0	0
Lithuania	0	0	—	0	0	4	1
Malaysia	1	-2	0	0	0	-4	-4
Mexico	-1	-69	-7	-37	-1	-1,025	-417
Netherlands	0	-11	0	3	0	9	-284
Norway	0	-3	0	0	—	-12	-5
Oman	—	-1	0	0	—	5	5
Panama	0	—	0	-1	0	-114	-129
Portugal	0	-2	—	0	—	8	-11
Puerto Rico	0	—	0	0	0	-3	-3
Qatar	0	-2	—	11	—	19	19
Russia	0	1	0	0	—	502	715
Spain	0	-22	1	0	0	-6	-84
Sweden	0	0	—	0	0	-8	-28
Trinidad and Tobago	—	0	0	0	0	-13	29
United Kingdom	0	-2	0	0	0	-26	-197
Vietnam	0	0	0	0	0	-10	-12
Virgin Islands, U.S.	—	—	0	0	0	7	-24
Yemen	—	—	—	0	—	0	0
Other	1	-87	-4	-12	0	-763	-1,071
Total	1	-494	32	-58	-1	-3,104	40
Persian Gulf²	0	-4	0	17	0	129	634

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	7,987	113,234	845,786	23,216	47,895	1,038,118
Refinery	5,856	12,538	45,509	2,459	20,705	87,067
Tank Farms and Pipelines (Includes Cushing, OK)	2,131	100,696	182,509	20,757	24,822	330,915
Cushing, Oklahoma	--	35,345	--	--	--	35,345
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	617,768	--	--	617,768
Alaskan In Transit	--	--	--	--	2,368	2,368
Total Stocks, All Oils (excluding Crude Oil)²	146,679	180,249	376,400	25,530	91,500	820,357
Refinery	11,850	48,007	124,896	10,614	48,786	244,153
Bulk Terminal	106,659	94,276	192,088	8,348	37,363	438,733
Pipeline	27,917	36,204	57,630	6,404	4,716	132,871
Natural Gas Processing Plant	253	1,762	1,786	164	635	4,600
Natural Gas Liquids	11,426	58,262	140,036	8,149	4,656	222,530
Refinery	350	3,110	6,840	431	1,466	12,197
Bulk Terminal	8,653	37,256	109,605	3,047	2,555	161,117
Pipeline	2,170	16,134	21,805	4,507	--	44,616
Natural Gas Processing Plant	253	1,762	1,786	164	635	4,600
Ethane	946	6,095	55,562	1,410	--	64,013
Refinery	--	--	10	--	--	10
Bulk Terminal	444	2,376	46,998	--	--	49,818
Pipeline	502	3,525	8,303	1,405	--	13,735
Natural Gas Processing Plant	--	194	251	5	--	450
Propane	8,289	24,300	31,159	2,676	2,117	68,541
Refinery	86	1,122	593	51	84	1,936
Bulk Terminal	6,668	18,575	23,700	1,001	1,935	51,879
Pipeline	1,408	3,771	6,460	1,558	--	13,197
Natural Gas Processing Plant	127	832	406	66	98	1,529
Normal Butane	1,787	15,703	34,693	2,958	2,122	57,263
Refinery	203	1,241	4,803	271	1,043	7,561
Bulk Terminal	1,362	13,156	27,054	2,039	612	44,223
Pipeline	172	1,037	2,614	615	--	4,438
Natural Gas Processing Plant	50	269	222	33	467	1,041
Isobutane	120	2,346	7,200	409	362	10,437
Refinery	61	488	1,008	93	335	1,985
Bulk Terminal	--	967	5,029	--	5	6,001
Pipeline	45	749	1,029	298	--	2,121
Natural Gas Processing Plant	14	142	134	18	22	330
Natural Gasoline	284	9,818	11,422	696	55	22,276
Refinery	--	259	426	16	4	705
Bulk Terminal	179	2,182	6,824	7	3	9,196
Pipeline	43	7,052	3,399	631	--	11,125
Natural Gas Processing Plant	62	325	773	42	48	1,250
Refinery Olefins	218	1,352	1,310	110	45	3,035
Refinery	218	1,352	1,310	110	45	3,035
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Propylene	145	384	775	3	13	1,320
Refinery	145	384	775	3	13	1,320
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Normal Butylene	64	968	511	107	32	1,682
Refinery	64	968	511	107	32	1,682
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Isobutylene	9	0	24	0	0	33
Refinery	9	0	24	0	0	33
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Other Hydrocarbons	--	10	--	--	--	10
Refinery	--	10	--	--	--	10
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
MTBE	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal ³	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Other Oxygenates⁴	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)²	7,286	7,867	4,553	485	5,229	25,420
Refinery	296	129	295	142	869	1,731
Bulk Terminal	6,990	7,738	4,258	338	4,360	23,684
Pipeline	--	--	--	5	--	5
Fuel Ethanol	6,456	7,126	3,327	391	2,913	20,213
Refinery	290	94	174	134	193	885
Bulk Terminal	6,166	7,032	3,153	252	2,720	19,323
Pipeline	--	--	--	5	--	5
Renewable Diesel Fuel⁵	830	712	1,209	94	2,075	4,921
Refinery	6	35	121	8	461	631
Bulk Terminal	824	677	1,088	86	1,614	4,290
Pipeline	--	--	--	--	--	--
Other Renewable Fuels	--	29	17	--	240	286
Refinery	--	--	--	--	215	215
Bulk Terminal	--	29	17	--	25	71
Pipeline	--	--	--	--	--	--
Unfinished Oils	4,400	13,316	50,414	2,938	19,113	90,181
Naphthas and Lighter	815	3,568	10,401	609	3,120	18,513
Refinery	743	3,515	9,431	609	2,943	17,241
Bulk Terminal	72	53	970	--	177	1,272
Kerosene and Light Gas Oils	738	2,266	9,032	622	3,446	16,104
Refinery	729	2,266	6,748	622	3,272	13,637
Bulk Terminal	9	--	2,284	--	174	2,467
Heavy Gas Oils	1,935	5,258	24,493	1,381	9,039	42,106
Refinery	1,693	5,045	21,301	1,381	8,093	37,513
Bulk Terminal	242	213	3,192	--	946	4,593
Residuum	912	2,224	6,488	326	3,508	13,458
Refinery	912	2,224	6,304	326	3,508	13,274
Bulk Terminal	--	--	184	--	--	184
Motor Gasoline Blending Components²	56,295	42,506	74,610	6,448	28,680	208,539
Refinery	3,065	13,603	28,312	3,004	13,951	61,935
Bulk Terminal	41,323	21,048	30,166	2,458	12,202	107,197
Pipeline	11,907	7,855	16,132	986	2,527	39,407
Reformulated - RBOB	15,372	4,554	11,782	--	13,391	45,099
Refinery	981	924	1,484	--	4,866	8,255
Bulk Terminal	11,813	2,859	4,872	--	7,049	26,593
Pipeline	2,578	771	5,426	--	1,476	10,251
Conventional	40,923	37,952	62,828	6,448	15,289	163,440
Refinery	2,084	12,679	26,828	3,004	9,085	53,680
Bulk Terminal	29,510	18,189	25,294	2,458	5,153	80,604
Pipeline	9,329	7,084	10,706	986	1,051	29,156
CBOB	28,640	30,597	33,447	4,986	8,492	106,162
Refinery	346	6,148	10,884	1,545	2,948	21,871
Bulk Terminal	19,080	17,572	12,027	2,455	4,500	55,634
Pipeline	9,214	6,877	10,536	986	1,044	28,657
GTAB	1,909	--	--	--	--	1,909
Refinery	--	--	--	--	--	--
Bulk Terminal	1,909	--	--	--	--	1,909
Pipeline	--	--	--	--	--	--
Other	10,374	7,355	29,381	1,462	6,797	55,369
Refinery	1,738	6,531	15,944	1,459	6,137	31,809
Bulk Terminal	8,521	617	13,267	3	653	23,061
Pipeline	115	207	170	--	7	499
Aviation Gasoline Blending Components	--	--	21	--	--	21
Refinery	--	--	21	--	--	21
Bulk Terminal	--	--	--	--	--	--
Finished Motor Gasoline	2,732	4,382	8,312	1,196	1,884	18,506
Refinery	29	1,111	4,298	734	576	6,748
Bulk Terminal	853	1,143	3,312	316	1,208	6,832
Pipeline	1,850	2,128	702	146	100	4,926
Reformulated	6	--	--	--	20	26
Refinery	--	--	--	--	20	20
Bulk Terminal	6	--	--	--	--	6
Pipeline	--	--	--	--	--	--
Reformulated (Blended with Fuel Ethanol)	6	--	--	--	20	26
Refinery	--	--	--	--	20	20
Bulk Terminal	6	--	--	--	--	6
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	2,726	4,382	8,312	1,196	1,864	18,480
Refinery	29	1,111	4,298	734	556	6,728
Bulk Terminal	847	1,143	3,312	316	1,208	6,826
Pipeline	1,850	2,128	702	146	100	4,926
Conventional (Blended with Fuel Ethanol)	—	153	—	62	17	232
Refinery	—	—	—	61	—	61
Bulk Terminal	—	153	—	1	17	171
Pipeline	—	—	—	—	—	—
Ed55 and Lower	—	153	—	62	—	215
Refinery	—	—	—	61	—	61
Bulk Terminal	—	153	—	1	—	154
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	17	17
Pipeline	—	—	—	—	—	—
Conventional (Other)	2,726	4,229	8,312	1,134	1,847	18,248
Refinery	29	1,111	4,298	673	556	6,667
Bulk Terminal	847	990	3,312	315	1,191	6,655
Pipeline	1,850	2,128	702	146	100	4,926
Finished Aviation Gasoline	231	103	420	7	277	1,038
Refinery	—	33	304	7	151	495
Bulk Terminal	231	70	116	—	126	543
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	9,588	7,828	13,683	849	10,021	41,969
Refinery	448	2,003	5,826	317	3,889	12,483
Bulk Terminal	4,701	3,976	3,304	403	5,238	17,622
Pipeline	4,439	1,849	4,553	129	894	11,864
Kerosene	2,309	176	158	2	11	2,656
Refinery	179	160	87	2	2	430
Bulk Terminal	1,868	16	66	—	9	1,959
Pipeline	262	—	5	—	—	267
Distillate Fuel Oil²	39,319	31,058	45,415	3,478	12,386	131,656
Refinery	1,372	5,840	14,799	1,690	5,262	28,963
Bulk Terminal	30,658	16,980	16,183	1,157	5,929	70,907
Pipeline	7,289	8,238	14,433	631	1,195	31,786
15 ppm sulfur and Under	36,019	30,258	39,331	3,296	11,589	120,493
Refinery	905	5,454	12,222	1,522	4,734	24,837
Bulk Terminal	28,270	16,819	13,077	1,143	5,692	65,001
Pipeline	6,844	7,985	14,032	631	1,163	30,655
Greater than 15 ppm to 500 ppm sulfur	877	486	1,415	114	276	3,168
Refinery	143	95	808	100	255	1,401
Bulk Terminal	733	143	491	14	—	1,381
Pipeline	1	248	116	—	21	386
Greater than 500 ppm sulfur	2,423	314	4,669	68	521	7,995
Refinery	324	291	1,769	68	273	2,725
Bulk Terminal	1,655	18	2,615	—	237	4,525
Pipeline	444	5	285	—	11	745
Residual Fuel Oil	5,841	1,098	15,762	197	5,127	28,025
Refinery	269	915	3,258	197	2,037	6,676
Bulk Terminal	5,572	183	12,504	—	3,090	21,349
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	459	79	1,322	26	1,503	3,389
Refinery	16	76	65	26	20	203
Bulk Terminal	443	3	1,257	—	1,483	3,186
0.31% to 1.00% Sulfur	959	244	4,811	4	428	6,446
Refinery	59	214	521	4	135	933
Bulk Terminal	900	30	4,290	—	293	5,513
Greater than 1.00% Percent Sulfur	4,423	775	9,629	167	3,196	18,190
Refinery	194	625	2,672	167	1,882	5,540
Bulk Terminal	4,229	150	6,957	—	1,314	12,650
Petrochemical Feedstocks	—	508	2,452	—	2	2,962
Refinery	—	508	2,452	—	2	2,962
Naphtha for Petrochemical Feedstock Use	—	409	1,804	—	2	2,215
Other Oils for Petrochemical Feedstock Use	—	99	648	—	—	747
Special Naphthas	33	120	894	—	40	1,087
Refinery	23	50	882	—	40	995
Bulk Terminal	10	70	12	—	—	92
Lubricants	1,364	674	8,644	—	805	11,487
Refinery	800	237	5,369	—	617	7,023
Bulk Terminal	564	437	3,275	—	188	4,464
Waxes	249	41	201	—	—	491
Refinery	249	41	201	—	—	491
Petroleum Coke	—	1,410	4,474	238	1,348	7,470
Refinery	—	1,410	4,474	238	1,348	7,470
Asphalt and Road Oil	5,343	9,428	4,691	1,416	1,794	22,672
Refinery	433	4,336	2,034	787	634	8,224
Bulk Terminal	4,910	5,092	2,657	629	1,160	14,448

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, September 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Miscellaneous Products	44	109	350	17	81	601
Refinery	42	109	350	17	81	599
Bulk Terminal	2	—	—	—	—	2
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	154,666	293,483	1,222,186	48,746	139,395	1,858,475

— = Not Applicable.

— = No Data Reported.

Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

¹ Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

² Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix

D. Includes stocks held at biofuel production facilities.

³ Includes stocks held by merchant producers.

⁴ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

⁵ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, September 2021
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	6	876	882	12,794	31,594	44,388	2,047
Connecticut	—	—	—	848	7	855	73
Delaware	—	—	—	716	615	1,331	167
District of Columbia	—	—	—	—	—	—	—
Florida	—	337	337	—	6,147	6,147	—
Georgia	—	98	98	—	2,788	2,788	—
Maine	—	—	—	359	218	577	218
Maryland	—	—	—	1,010	89	1,099	131
Massachusetts	5	—	5	1,385	38	1,423	42
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	173	173	5,180	10,136	15,316	458
New York	1	—	1	619	2,047	2,666	643
North Carolina	—	65	65	—	2,714	2,714	177
Pennsylvania	—	—	—	483	4,055	4,538	86
Rhode Island	—	—	—	848	27	875	—
South Carolina	—	169	169	—	1,396	1,396	26
Vermont	—	—	—	—	42	42	5
Virginia	—	5	5	1,346	1,091	2,437	21
West Virginia	—	29	29	—	184	184	—
PAD District 2	—	2,254	2,254	3,783	30,868	34,651	176
Illinois	—	34	34	2,077	4,402	6,479	140
Indiana	—	101	101	829	3,909	4,738	—
Iowa	—	46	46	—	1,331	1,331	—
Kansas	—	287	287	—	2,746	2,746	16
Kentucky	—	98	98	281	1,516	1,797	—
Michigan	—	7	7	89	2,944	3,033	—
Minnesota	—	299	299	1	2,284	2,285	—
Missouri	—	93	93	155	731	886	—
Nebraska	—	33	33	—	452	452	—
North Dakota	—	27	27	—	722	722	—
Ohio	—	815	815	—	4,044	4,044	10
Oklahoma	—	262	262	—	2,465	2,465	—
South Dakota	—	22	22	—	302	302	—
Tennessee	—	39	39	—	2,109	2,109	0
Wisconsin	—	91	91	351	911	1,262	10
PAD District 3	—	7,610	7,610	6,356	52,122	58,478	153
Alabama	—	83	83	13	1,374	1,387	5
Arkansas	—	85	85	48	1,024	1,072	—
Louisiana	—	1,712	1,712	114	12,731	12,845	60
Mississippi	—	975	975	20	2,033	2,053	—
New Mexico	—	24	24	41	652	693	—
Texas	—	4,731	4,731	6,120	34,308	40,428	88
PAD District 4	—	1,050	1,050	—	5,462	5,462	2
Colorado	—	137	137	—	1,683	1,683	—
Idaho	—	38	38	—	348	348	—
Montana	—	376	376	—	1,302	1,302	—
Utah	—	98	98	—	1,541	1,541	2
Wyoming	—	401	401	—	588	588	—
PAD District 5	20	1,764	1,784	11,915	14,238	26,153	11
Alaska	—	246	246	—	377	377	9
Arizona	—	87	87	638	381	1,019	—
California	20	381	401	11,130	6,574	17,704	2
Hawaii	—	257	257	—	677	677	—
Nevada	—	303	303	17	369	386	—
Oregon	—	87	87	—	1,639	1,639	—
Washington	—	403	403	130	4,221	4,351	—
U.S. Total	26	13,554	13,580	34,848	134,284	169,132	2,389

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, September 2021
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	29,175	876	1,979	32,030	5,841	6,881
Connecticut	2,377	—	—	2,377	20	—
Delaware	651	77	54	782	803	8
District of Columbia	—	—	—	—	—	—
Florida	2,286	98	—	2,384	829	364
Georgia	1,159	—	—	1,159	183	10
Maine	2,080	4	13	2,097	67	—
Maryland	1,202	—	—	1,202	233	1
Massachusetts	1,134	16	29	1,179	156	—
New Hampshire	518	—	—	518	12	506
New Jersey	8,461	316	1,157	9,934	2,992	66
New York	3,089	—	122	3,211	177	1,952
North Carolina	969	—	—	969	33	282
Pennsylvania	2,453	—	56	2,509	164	2,502
Rhode Island	878	—	—	878	—	—
South Carolina	718	—	—	718	48	710
Vermont	16	—	—	16	—	—
Virginia	1,103	302	548	1,953	124	4
West Virginia	81	63	—	144	—	86
PAD District 2	22,273	238	309	22,820	1,098	20,529
Illinois	3,344	—	3	3,347	325	971
Indiana	3,454	—	105	3,559	84	304
Iowa	2,357	1	—	2,358	—	476
Kansas	2,041	—	—	2,041	41	11,091
Kentucky	858	27	—	885	—	378
Michigan	1,408	74	—	1,482	177	5,576
Minnesota	1,301	—	56	1,357	237	380
Missouri	504	20	4	528	—	176
Nebraska	679	—	—	679	—	357
North Dakota	675	1	—	676	33	35
Ohio	1,997	21	88	2,106	86	670
Oklahoma	1,368	94	53	1,515	45	72
South Dakota	511	—	—	511	—	10
Tennessee	767	0	0	767	58	3
Wisconsin	1,009	—	—	1,009	12	30
PAD District 3	25,299	1,299	4,384	30,982	15,762	24,699
Alabama	935	7	42	984	292	13
Arkansas	828	—	—	828	—	19
Louisiana	5,066	551	1,082	6,699	7,743	1,010
Mississippi	846	282	109	1,237	430	2,096
New Mexico	359	—	—	359	51	3
Texas	17,265	459	3,151	20,875	7,246	21,558
PAD District 4	2,665	114	68	2,847	197	1,118
Colorado	655	—	—	655	3	17
Idaho	162	—	—	162	—	—
Montana	859	85	—	944	60	18
Utah	474	11	68	553	49	1,006
Wyoming	515	18	—	533	85	77
PAD District 5	10,426	255	510	11,191	5,127	2,117
Alaska	833	—	55	888	113	3
Arizona	510	—	—	510	—	1,457
California	5,071	255	244	5,570	3,804	524
Hawaii	262	—	206	468	293	78
Nevada	335	—	5	340	—	—
Oregon	981	—	—	981	116	—
Washington	2,434	—	—	2,434	801	55
U.S. Total	89,838	2,782	7,250	99,870	28,025	55,344

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, September 2021
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	375	31	0	1,344	42,174	7,176	3,030	1,379	20,733
Petroleum Products	16,422	50	6	20,375	44,301	13,444	5,653	92,020	19,934
Natural Gas Liquids	7,096	19	0	7,327	32,995	9,210	642	1,238	9,304
Ethane	4,974	0	—	0	15,418	2,510	—	0	1,411
Propane	1,128	0	0	5,477	9,626	3,488	276	1,238	1,947
Normal Butane	266	1	0	1,676	3,839	1,445	291	0	383
Isobutane	413	18	0	174	1,166	517	75	0	764
Natural Gasoline	315	0	—	0	2,946	1,250	—	0	4,799
Refinery Olefins	0	0	—	412	755	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	412	755	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	123	0	—	0	1,028	—	—	29	710
Motor Gasoline Blending Components	6,269	0	0	1,722	1,727	2,333	0	54,931	4,077
Reformulated - RBOB	0	0	0	0	153	—	0	6,555	1,017
Conventional	6,269	0	0	1,722	1,574	2,333	0	48,376	3,060
CBOB	6,269	0	0	1,722	1,335	2,333	0	47,999	2,899
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	239	—	—	377	161
Renewable Fuels	9	0	6	7,742	5,569	497	4,459	447	0
Fuel Ethanol	0	0	0	7,628	5,368	469	4,253	447	0
Renewable Diesel Fuel ²	9	0	6	115	201	28	206	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	65	0	0	490	157	108	0	2,188	439
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	65	0	0	490	157	108	0	2,188	439
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	65	0	0	490	157	108	0	2,188	439
Finished Aviation Gasoline	0	0	—	0	0	—	—	201	23
Kerosene-Type Jet Fuel	259	0	0	122	60	563	0	9,534	1,489
Kerosene	—	0	—	0	0	—	—	101	—
Distillate Fuel Oil	2,545	0	0	998	600	702	0	22,292	3,317
15 ppm sulfur and under	2,545	0	0	998	600	702	0	21,803	3,257
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—	—	1	60
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	488	—
Residual Fuel Oil	0	0	—	0	597	—	—	228	0
Petrochemical Feedstocks	0	0	—	—	115	—	—	—	0
Naphtha for Petrochemical Feedstock Use	0	0	—	—	93	—	—	—	0
Other Oils for Petrochemical Feedstock Use	0	0	—	—	22	—	—	—	0
Special Naphthas	0	0	—	—	0	—	—	—	9
Lubricants	0	0	—	0	0	—	—	485	249
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	31	0	663	447	3	314	6	0
Asphalt and Road Oil	56	0	0	899	251	28	238	340	307
Miscellaneous Products	0	0	—	—	0	—	—	—	10
Total	16,797	81	6	21,719	86,475	20,620	8,684	93,399	40,667

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, September 2021
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	50	0	23,807	432	0	0	0	0
Petroleum Products	0	4,700	0	19,949	4,624	1,798	0	78	20
Natural Gas Liquids	0	47	0	18,490	4,356	160	0	0	0
Ethane	0	—	0	5,148	1,702	—	0	0	0
Propane	0	0	0	6,821	1,236	65	0	0	0
Normal Butane	0	13	0	2,826	374	73	0	0	0
Isobutane	0	34	0	1,122	417	22	0	0	0
Natural Gasoline	0	—	0	2,573	627	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	3,073	0	164	0	765	0	0	0
Reformulated - RBOB	—	1,629	0	0	0	0	0	0	—
Conventional	0	1,444	0	164	0	765	0	0	0
CBOB	0	1,444	0	164	0	765	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	0	—	0	0	—
Renewable Fuels	0	255	0	0	0	7	0	0	3
Fuel Ethanol	0	200	0	0	0	7	0	0	0
Renewable Diesel Fuel ²	0	55	0	0	0	0	0	0	3
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	373	0	136	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	373	0	136	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	373	0	136	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	237	0	22	0	25	0	0	0
Kerosene	—	—	0	—	0	—	0	0	—
Distillate Fuel Oil	0	1,026	0	360	0	275	0	0	0
15 ppm sulfur and under	0	1,026	0	360	0	275	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	0	—	0	—	0	0	—
Residual Fuel Oil	—	—	0	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—	—	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	293	133	206	0	78	9
Asphalt and Road Oil	0	62	0	248	135	225	0	0	8
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	0	4,750	0	43,756	5,056	1,798	0	78	20

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 2021
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	119	31	199	41,113	7,090	129	20,733	0	-
Petroleum Products	16,008	0	7,618	34,528	12,916	68,477	17,840	0	4,336
Natural Gas Liquids	6,882	0	5,452	32,465	9,210	1,141	9,196	0	-
Ethane	4,974	0	0	15,418	2,510	0	1,411	0	-
Propane	1,105	0	4,274	9,263	3,488	1,141	1,936	0	-
Normal Butane	143	0	1,178	3,796	1,445	0	376	0	-
Isobutane	345	0	0	1,042	517	0	674	0	-
Natural Gasoline	315	0	0	2,946	1,250	0	4,799	0	-
Motor Gasoline Blending Components	6,269	0	897	1,434	2,333	41,048	3,916	0	3,073
Reformulated - RBOB	0	0	0	153	-	6,555	1,017	-	1,629
Conventional	6,269	0	897	1,281	2,333	34,493	2,899	0	1,444
CBOB	6,269	0	897	1,281	2,333	34,295	2,899	0	1,444
GTAB	-	-	-	-	-	-	-	-	-
Other	-	0	0	0	-	198	-	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	65	0	490	0	108	1,148	367	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	65	0	490	0	108	1,148	367	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	65	0	490	0	108	1,148	367	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	259	0	77	60	563	7,085	1,390	0	237
Kerosene	-	0	0	0	-	101	-	-	-
Distillate Fuel Oil	2,533	0	702	569	702	17,954	2,971	0	1,026
15 ppm sulfur and under	2,533	0	702	569	702	17,465	2,911	0	1,026
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	-	1	60	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	488	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,127	31	7,817	75,641	20,006	68,606	38,573	0	4,336

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, September 2021
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	23,807	238	—	0	0
Petroleum Products	0	19,409	4,356	1,201	0	0
Natural Gas Liquids	0	18,490	4,356	—	0	0
Ethane	0	5,148	1,702	—	0	0
Propane	0	6,821	1,236	—	0	0
Normal Butane	0	2,826	374	—	0	0
Isobutane	0	1,122	417	—	0	0
Natural Gasoline	0	2,573	627	—	0	0
Motor Gasoline Blending Components	0	164	0	765	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	164	0	765	0	0
CBOB	0	164	0	765	0	0
GTAB	—	—	—	—	—	—
Other	0	—	0	—	0	—
Renewable Fuels	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Renewable Diesel Fuel ¹	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	373	0	136	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	373	0	136	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	373	0	136	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	22	0	25	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	360	0	275	0	0
15 ppm sulfur and under	0	360	0	275	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	43,216	4,594	1,201	0	0

— = Not Applicable.

— = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, September 2021
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	256	0	-	311	1,061	-
Petroleum Products	135	0	-	1,436	2,846	-
Natural Gas Liquids	-	0	-	0	0	-
Ethane	-	-	-	-	-	-
Propane	-	0	-	0	0	-
Normal Butane	-	-	-	-	-	-
Isobutane	-	-	-	-	-	-
Natural Gasoline	-	-	-	-	-	-
Unfinished Oils	123	0	-	0	1,028	-
Motor Gasoline Blending Components	0	0	-	825	293	-
Reformulated - RBOB	-	-	-	-	-	-
Conventional	0	0	-	825	293	-
CBOB	0	0	-	825	54	-
GTAB	-	-	-	-	-	-
Other	0	0	-	0	239	-
Renewable Fuels	0	0	-	217	625	-
Fuel Ethanol	0	0	-	217	625	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	0	-	0	157	-
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	0	-	0	157	-
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	0	-	0	157	-
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	0	0	-	45	0	-
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	12	0	-	296	31	-
15 ppm sulfur and under	12	0	-	296	31	-
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-
Residual Fuel Oil	0	0	-	0	597	-
Less than 0.31 percent sulfur	-	-	-	-	-	-
0.31 to 1.00 percent sulfur	0	0	-	-	345	-
Greater than 1.00 percent sulfur	0	0	-	0	252	-
Petrochemical Feedstocks	0	0	-	-	115	-
Naphtha for Petrochemical Feedstock Use	0	0	-	-	93	-
Other Oils for Petrochemical Feedstock Use	0	0	-	-	22	-
Special Naphthas	0	0	-	-	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	-	-	-
Marketable Petroleum Coke	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	53	0	-
Miscellaneous Products	0	0	-	-	0	-
Total	391	0	-	1,747	3,907	-

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, September 2021
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	1,250	—	1,250	—	0	—	0	0	0
Petroleum Products	23,364	—	621	22,743	1,889	—	0	0	0
Natural Gas Liquids	46	—	—	46	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	46	—	—	46	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	29	—	29	—	710	—	0	0	0
Motor Gasoline Blending Components	13,883	—	179	13,704	161	—	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	13,883	—	179	13,704	161	—	0	0	0
CBOB	13,704	—	—	13,704	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	179	—	179	—	161	—	0	0	0
Renewable Fuels	447	—	—	447	0	—	0	0	0
Fuel Ethanol	447	—	—	447	0	—	0	0	0
Renewable Diesel Fuel ¹	—	—	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	1,040	—	—	1,040	72	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,040	—	—	1,040	72	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	1,040	—	—	1,040	72	—	0	0	0
Finished Aviation Gasoline	201	—	70	131	23	—	0	0	0
Kerosene-Type Jet Fuel	2,449	—	—	2,449	99	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	4,338	—	—	4,338	346	—	0	0	0
15 ppm sulfur and under	4,338	—	—	4,338	346	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	228	—	—	228	0	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur	228	—	—	228	0	—	0	0	0
Petrochemical Feedstocks	—	—	—	—	0	—	—	0	0
Naphtha for Petrochemical Feedstock Use	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	0	—	—	0	0
Special Naphthas	—	—	—	—	9	—	—	0	0
Lubricants	485	—	343	142	249	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	218	—	—	218	210	—	0	0	0
Miscellaneous Products	—	—	—	—	10	—	—	0	0
Total	24,614	—	1,871	22,743	1,889	—	0	0	0

— = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, September 2021
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	834	0	86	3,030
Propane	23	0	0	0	1,203	363	0	276
Propylene	0	0	–	–	412	755	–	–
Normal Butane	123	1	0	0	498	43	0	291
Isobutane	68	18	0	0	174	124	0	75
Fuel Ethanol	0	0	0	0	7,411	4,743	469	4,253
Biodiesel	9	0	0	6	115	201	28	206
Marketable Petroleum Coke	0	31	0	0	663	447	3	314
Asphalt and Road Oil	56	0	0	0	846	251	28	238

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	50	0	0	194	0
Propane	51	11	0	0	0	0	0	65
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	7	0	13	0	0	0	73
Isobutane	0	90	0	34	0	0	0	22
Fuel Ethanol	0	0	0	200	0	0	0	7
Biodiesel	0	0	0	55	0	0	0	0
Marketable Petroleum Coke	6	0	0	0	0	293	133	206
Asphalt and Road Oil	122	97	0	62	0	248	135	225

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	–
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	3
Marketable Petroleum Coke	0	19	78	9
Asphalt and Road Oil	0	0	0	8

– = No Data Reported.
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, September 2021
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	119	256	0	375
3	31	0	0	31
4	0	—	0	0
5	—	—	0	0
From 2 to				
1	199	311	834	1,344
3	41,113	1,061	0	42,174
4	7,090	—	86	7,176
5	—	—	3,030	3,030
From 3 to				
1	129	1,250	0	1,379
2	20,733	0	0	20,733
4	0	—	0	0
5	—	—	50	50
From 4 to				
1	0	0	0	0
2	23,807	0	0	23,807
3	238	0	194	432
5	—	—	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, September 2021
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	2,723	406	2,317	44,915	53,723	-8,808	42,637	22,162	20,475
Petroleum Products	112,396	16,478	95,918	56,324	83,774	-27,449	49,052	116,655	-67,602
Natural Gas Liquids	8,565	7,115	1,450	34,890	50,174	-15,284	37,370	10,589	26,781
Ethane	0	4,974	-4,974	11,533	17,928	-6,395	17,120	1,411	15,709
Propane	6,715	1,128	5,587	9,896	18,867	-8,971	10,862	3,185	7,677
Normal Butane	1,676	267	1,409	3,475	7,251	-3,776	4,214	396	3,818
Isobutane	174	431	-257	2,299	1,932	367	1,601	798	803
Natural Gasoline	0	315	-315	7,687	4,196	3,491	3,573	4,799	-1,226
Refinery Olefins	412	0	412	0	1,167	-1,167	755	0	755
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	412	0	412	0	1,167	-1,167	755	0	755
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	29	123	-94	833	1,028	-195	1,028	739	289
Motor Gasoline Blending Components	56,653	6,269	50,384	10,510	5,782	4,728	1,727	62,081	-60,354
Reformulated - RBOB	6,555	0	6,555	1,017	153	864	153	9,201	-9,048
Conventional	50,098	6,269	43,829	9,493	5,629	3,864	1,574	52,880	-51,306
CBOB	49,721	6,269	43,452	9,332	5,390	3,942	1,335	52,342	-51,007
GTAB	0	0	-	-	-	-	-	-	-
Other	377	0	377	161	239	-78	239	538	-299
Renewable Fuels	8,189	15	8,174	9	18,268	-18,259	5,569	702	4,867
Fuel Ethanol	8,075	0	8,075	0	17,718	-17,718	5,368	647	4,721
Renewable Diesel Fuel ²	115	15	100	9	550	-541	201	55	146
Other Renewable Fuels	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,678	65	2,613	877	755	122	157	2,627	-2,470
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	0	0	-	-	-	-	0	0	-
Conventional	2,678	65	2,613	877	755	122	157	2,627	-2,470
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,678	65	2,613	877	755	122	157	2,627	-2,470
Finished Aviation Gasoline	201	0	201	23	0	23	0	224	-224
Kerosene-Type Jet Fuel	9,656	259	9,397	1,770	745	1,025	60	11,260	-11,200
Kerosene	101	0	101	0	0	-	0	101	-101
Distillate Fuel Oil	23,290	2,545	20,745	6,222	2,300	3,922	600	26,635	-26,035
15 ppm sulfur and under	22,801	2,545	20,256	6,162	2,300	3,862	600	26,086	-25,486
Greater than 15 ppm to 500 ppm sulfur	1	0	1	60	0	60	0	61	-61
Greater than 500 ppm sulfur	488	0	488	0	0	-	0	488	-488
Residual Fuel Oil	228	0	228	0	597	-597	597	228	369
Petrochemical Feedstocks	0	0	-	0	115	-115	115	0	115
Naphtha for Petrochemical Feedstock Use	0	0	-	0	93	-93	93	0	93
Other Oils for Petrochemical Feedstock Use	-	-	-	0	22	-22	22	0	22
Special Naphthas	0	0	-	9	0	9	0	9	-9
Lubricants	485	0	485	249	0	249	0	734	-734
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	670	31	639	311	1,427	-1,116	689	6	682
Asphalt and Road Oil	1,239	56	1,183	611	1,416	-805	386	709	-323
Miscellaneous Products	0	0	-	10	0	10	0	10	-10
Total	115,118	16,884	98,235	101,239	137,497	-36,258	91,690	138,817	-47,127

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, September 2021
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	7,176	24,239	-17,064	3,080	0	3,080
Petroleum Products	13,465	26,372	-12,908	12,158	117	12,041
Natural Gas Liquids	9,210	23,006	-13,796	849	0	849
Ethane	2,510	6,850	-4,340	0	0	—
Propane	3,488	8,122	-4,634	341	0	341
Normal Butane	1,445	3,273	-1,828	377	0	377
Isobutane	517	1,561	-1,044	131	0	131
Natural Gasoline	1,250	3,200	-1,950	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Normal Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	2,333	929	1,404	3,838	0	3,838
Reformulated - RBOB	—	—	—	1,629	0	1,629
Conventional	2,333	929	1,404	2,209	0	2,209
CBOB	2,333	929	1,404	2,209	0	2,209
GTAB	—	—	—	0	0	—
Other	0	0	—	0	0	—
Renewable Fuels	501	7	494	4,727	3	4,724
Fuel Ethanol	469	7	462	4,460	0	4,460
Renewable Diesel Fuel ²	31	0	31	267	3	264
Other Renewable Fuels	0	0	—	0	0	—
Finished Motor Gasoline	108	509	-401	136	0	136
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	108	509	-401	136	0	136
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	108	509	-401	136	0	136
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	563	47	516	262	0	262
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	702	635	67	1,301	0	1,301
15 ppm sulfur and under	702	635	67	1,301	0	1,301
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	13	632	-619	519	106	414
Asphalt and Road Oil	35	608	-572	526	8	518
Miscellaneous Products	0	0	—	0	0	—
Total	20,640	50,611	-29,971	15,238	117	15,122

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

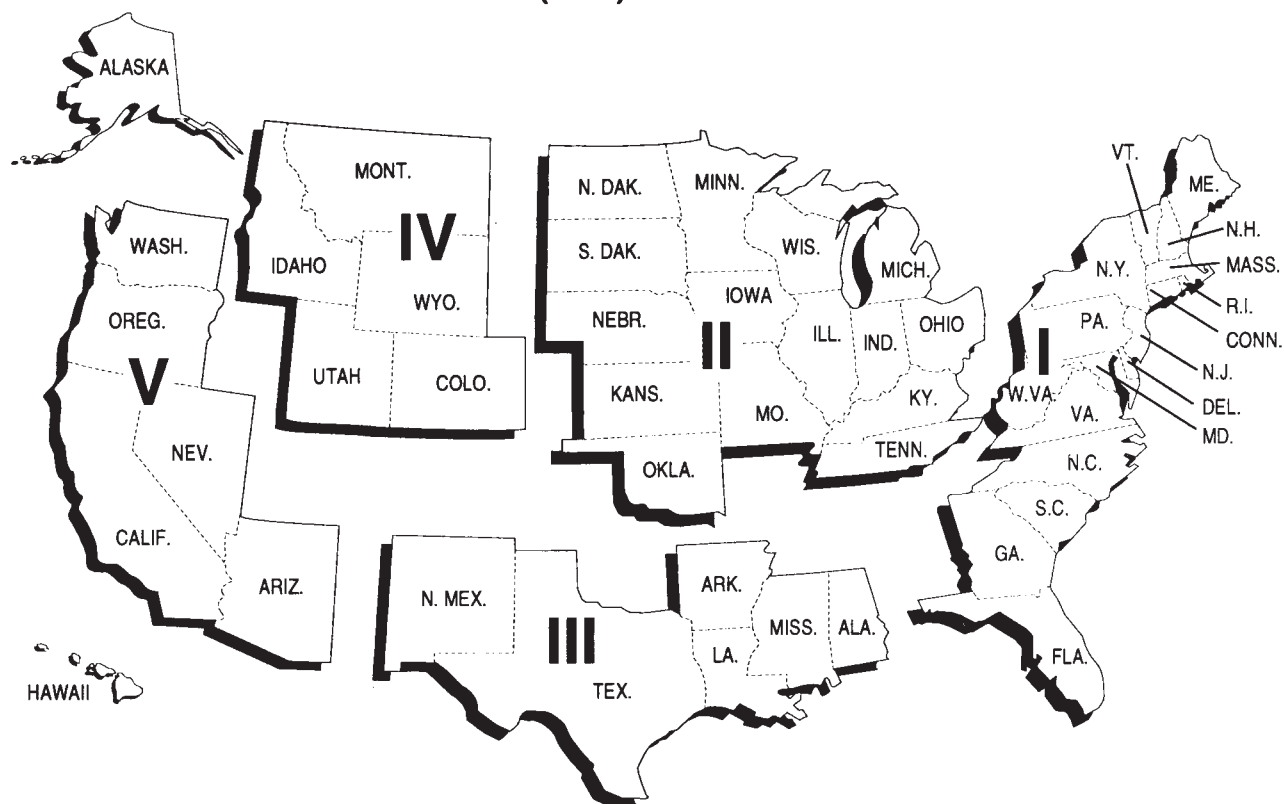
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

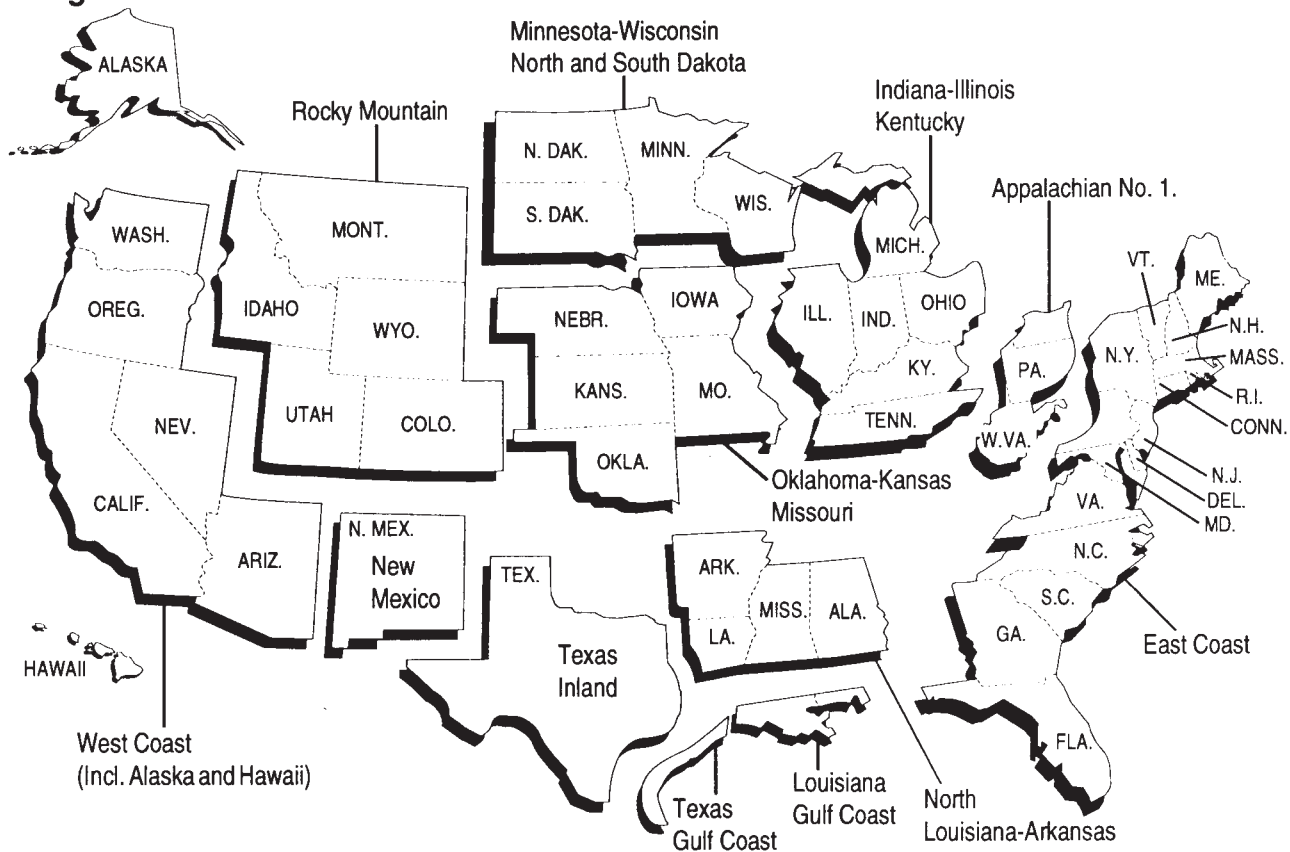
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



PSM Explanatory Notes

Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels. The reports are produced by the Office of Petroleum and Biofuel Statistics of the U.S. Energy Information Administration (EIA).

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.

Appendix B. Explanatory Notes

1. Overview

A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, renewable fuels and oxygenate production plants, imports, exports, , and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, renewable fuels and oxygenate plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

C. Components of Supply and Disposition

The detailed statistics tables in the *PSM* provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies, the Mineral Management Service of the U.S. Department of the Interior and Form EIA-914 “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production – Renewable fuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and renewable hydrocarbon biofuels (diesel, heating oil, jet, naphtha, gasoline, and other) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-biofuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA- 815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. EIA calculates adjustment quantities to balance supply and disposition for selected products or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021.

(2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, renewable fuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is a calculated measure of demand equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PADD basis, the figure for net receipts was inaccurate because the coverage of inter-PADD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported (e.g. unfinished oils received at refineries for processing from petrochemical plants).

EIA reported crude oil burned as fuel on leases and by pipelines as either distillate or residual fuel oil product supplied prior to January 1983. EIA reported crude oil product supplied equal to crude oil used directly as reported on Form EIA-813 "Monthly Crude Oil Report" from January 1983 through December 2009. EIA discontinued reporting crude oil used directly on Form EIA-813 after December 2009.

(3.) Ending Stocks

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm

2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes eight monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."
13. EIA-816, "Monthly Natural Gas Liquids Report"

14. EIA-817, “Monthly Tanker and Barge Movement Report”
15. EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene” (formerly “Monthly Oxygenate Report”)
16. EIA-820, “Annual Refinery Report.”

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report on weekly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA- 820, “Annual Refinery Report.” The EIA-820 data are published in the annual “Refinery Capacity Report.”

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at:
<https://www.eia.gov/survey/>

The Form EIA-22M “Monthly Biodiesel Production Survey” collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales. EIA discontinued Form EIA-22M effective with data for October 2020, and incorporated data previously collected on Form EIA-22M into Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.”

The Form EIA-810, “Monthly Refinery Report,” collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

The Form EIA-812, “Monthly Product Pipeline Report,” collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

The Form EIA-813, “Monthly Crude Oil Report,” collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

The Form EIA-815, “Monthly Bulk Terminal Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane and Isooctene” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Beginning in October 2020 it also collects facility-level data on biodiesel and renewable hydrocarbon fuels production and blending and end-of-month stocks. Plant operators report end-of-month stocks on site on a custody basis regardless of ownership as well as stocks in transit by rail, truck, and water to their plants.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes. This survey was discontinued in October 2020 and replaced with EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Bulk Terminal Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company- owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between

PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene” include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other renewable fuels and feedstocks, isooctane, isooctane and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

(3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 97 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the Petroleum Supply Annual (PSA).

(6.) Macro Editing

EIA compares data reported by individual companies and plants on monthly and weekly surveys. EIA uses these comparisons to identify cases where reporting companies responded differently to the same or similar questions on weekly and monthly surveys and then works with reporting companies to identify and address inconsistent or erroneous reporting on surveys. EIA also compares aggregate and other data with external sources in order to identify and correct potential errors in reporting or survey methodology. EIA makes additional comparisons of survey data with model results. EIA may use imputation to correct known and/or suspected errors in data reported in the Petroleum Supply Monthly and Petroleum Supply Annual.

(7.) Dissemination

In most cases, EIA releases PSM data within 60 days of the close of the reference month. The PSM is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the PSM data are available in HTML format on eia.gov. Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA- 914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly ([http:// www.eia.gov/petroleum/supply/monthly/](http://www.eia.gov/petroleum/supply/monthly/)) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by

railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS- NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination

of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net

receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Renewable Fuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PADD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for renewable fuels except fuel ethanol at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

Beginning with PSM data for January 2012, and PSA data for 2011 through December, 2020 production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” excludes production of biodiesel beginning with data for January 2012. Beginning with data for January 2010 EIA included rail movements of biodiesel in inter-PADD movements, and so rail movements were excluded from adjustment quantities.

- For data prior to January 2021, biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments. EIA discontinued calculating biodiesel and distillate fuel oil adjustment quantities beginning with data for January 2021. EIA now includes barrels of biodiesel formerly reported in adjustment quantities as product supplied of renewable fuels except fuel ethanol.

Beginning with PSM data for January 2021, EIA included production of renewable diesel, heating oil, jet fuel, naphtha, gasoline, and other renewable fuels and feedstocks reported on Form EIA-819 under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels except fuel ethanol”. EIA now reports barrels formerly included in adjustment quantities as product supplied.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

For PSM data from January 2012 and PSA data from January 2011 through December 2020, EIA calculated distillate fuel oil adjustments equal to the opposite of biodiesel adjustment quantities described above in section 8. EIA added biodiesel adjustment quantities to supply of distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. EIA assumed that distillate fuel oil adjustment quantities reflected biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Beginning with data for January 2021, EIA discontinued calculating and reporting distillate fuel oil adjustment quantities.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability

to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA's most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables ([http:// www.eia.gov/petroleum/supply/monthly/](http://www.eia.gov/petroleum/supply/monthly/)). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The *PSM* preliminary monthly data serve as leading indicators of the final monthly data published in the *PSA*. The *PSM* monthly data are not expected to have the same level of accuracy as the final monthly data published in the *PSA*. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the *PSM* are compared with the final monthly aggregates published in the *PSA*. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810 through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	201
Gulf Oil LP	Chelsea, MA	200

Source: U. S. Energy Information Administration

Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
Kinder Morgan Liq Terminals LLC	Carteret, NJ	0
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	700
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	85
Fuel Ethanol	NY	9
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

Definitions of Petroleum Products and Other Terms

(Revised June 2021)

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$ (e.g., methanol, ethanol, and tertiary butyl alcohol).

Alkylate. The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Atmospheric Crude Oil Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Aviation Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

Barrel. A unit of volume equal to 42 U.S. gallons.

Barrels Per Calendar Day. The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

Benzene (C_6H_6). An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

Biomass-Based Diesel Fuel. Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

Blending Components. See *Motor or Aviation Gasoline Blending Components*.

Blending Plant. A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

Bonded Petroleum Imports. Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

BTX. The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

Bulk Station. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

Bulk Terminal. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

Butane (C_4H_{10}). A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Normal Butane (C_4H_{10}). A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

Refinery-Grade Butane (C_4H_{10}). A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

Butylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes.

Captive Refinery Oxygenate Plants. Oxygenate production facilities located within or adjacent to a refinery complex.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Commercial Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Conventional Blendstock for Oxygenate Blending (CBOB). See *Motor Gasoline Blending Components*.

Conventional Gasoline. See *Motor Gasoline (Finished)*.

Crude Oil. A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

Crude Oil, Refinery Receipts. Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

Crude Oil Losses. Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

Crude Oil Production. The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

Crude Oil Qualities. Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Desulfurization. The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

Disposition. The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

No. 1 Distillate. A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 1 Diesel Fuel. A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

No. 1 Fuel Oil. A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

No. 2 Distillate. A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 2 Diesel Fuel. A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

Low Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

High Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

No. 4 Fuel. A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

No. 4 Diesel Fuel. See **No. 4 Fuel**.

No. 4 Fuel Oil. See **No. 4 Fuel**.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ending Stocks. Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

ETBE (Ethyl tertiary butyl ether) (CH₃)₃COC₂H₅. An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

Ethane (C₂H₆). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene (C₂H₄). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

Exports. Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

Flexicoking. A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fresh Feed Input. Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

Fuel Ethanol (C₂H₅OH). An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Gasoline Treated as Blendstock (GTAB). See **Motor Gasoline Blending Components**.

Gross Input to Atmospheric Crude Oil Distillation Units. Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Heavy Gas Oil. Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

High-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 500 ppm.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Imports. Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Isobutane (C_4H_{10}). A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

Isobutylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C_6H_{14}). A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C_4), an alkylation process feedstock, and normal pentane and hexane into isopentane (C_5) and isohexane (C_6), high-octane gasoline components.

Isopentane. See *Natural Gasoline and Isopentane*.

Kerosene. A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

Kerosene-Type Jet Fuel. A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

Commercial. Kerosene-type jet fuel intended for use in commercial aircraft.

Military. Kerosene-type jet fuel intended for use in military aircraft.

Lease Condensate. A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

Light Gas Oils. Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

Liquefied Petroleum Gases (LPG). A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

Low-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

Lubricants. Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Merchant Oxygenate Plants. Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

Methanol (CH_3OH). A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

Middle Distillates. A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

Military Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

Conventional Gasoline. Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

Ed 55 and Lower. Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

Greater than Ed55. Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

OPRG. "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

Oxygenated Gasoline (Including Gasohol). Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

Reformulated Gasoline. Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

Reformulated (Blended with Alcohol). Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

Reformulated (Blended with Ether). Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

Reformulated (Non-Oxygenated). Reformulated gasoline without added ether or alcohol components.

Motor Gasoline Blending. Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

Conventional Blendstock for Oxygenate Blending (CBOB). Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

Gasoline Treated as Blendstock (GTAB). Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

Reformulated Blendstock for Oxygenate Blending (RBOB). Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

RBOB for Blending with Alcohol. Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

RBOB for Blending with Ether. Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

All Other Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g., fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

MTBE (Methyl tertiary butyl ether) $(CH_3)_3COCH_3$. An ether intended for gasoline blending as described in Oxygenate definition.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

Naphtha Less Than 401° F. See *Petrochemical Feedstocks*.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

Natural Gas. A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Liquids. Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

Natural Gas Plant Liquids. Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gas Processing Plant. Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}) , obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Receipts. The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

Normal Butane. See *Butane*.

OPEC. The Organization of the Petroleum Exporting Countries (OPEC) was founded in Baghdad, Iraq, with the signing of an agreement in September 1960 by five countries namely Islamic Republic of Iran, Iraq, Kuwait, Saudi Arabia and Venezuela. They were to become the Founder Members of the Organization. These countries were later joined by Qatar (1961), Indonesia (1962), Libya (1962), the United Arab Emirates (1967), Algeria (1969), Nigeria (1971), Ecuador (1973), Gabon (1975), Angola (2007), Equatorial Guinea (2017) and Congo (2018). Ecuador suspended its membership in December 1992, rejoined OPEC in October 2007, but decided to withdraw its membership of OPEC effective 1 January 2020.

Indonesia suspended its membership in January 2009, reactivated it again in January 2016, but decided to suspend its membership once more at the 171st Meeting of the OPEC Conference on 30 November 2016. Gabon terminated its membership in January 1995. However, it rejoined the Organization in July 2016. Qatar terminated its membership on 1 January 2019.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operable Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Operating Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes coal tar derivatives and gilsonite. Included hydrogen in data prior to January 2009 and excluded hydrogen thereafter. Excludes natural gas used for fuel or hydrogen feedstock.

Other Oils Equal To or Greater Than 401° F. See *Petrochemical Feedstocks*.

Other Oxygenates. Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Oxygenated Gasoline. See *Motor Gasoline (Finished)*.

Oxygenates. Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Fuel Ethanol. Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

Methanol. Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed

3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

MTBE (Methyl tertiary butyl ether). Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Persian Gulf. The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

Naphtha Less Than 401° F. A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

Other Oils Equal To or Greater Than 401° F. Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

Petroleum Administration for Defense (PAD) Districts. Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

Petroleum Coke. A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Catalyst Coke. In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet

fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Pipeline (Petroleum). Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Processing Gain. The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

Processing Loss. The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Product Supplied, Crude Oil. Crude oil burned on leases and by pipelines as fuel.

Production Capacity. The maximum amount of product that can be produced from processing facilities.

Products Supplied. Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

Propane (C_3H_8). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene (C_3H_6). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C_3H_6) (nonfuel use). Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

Refinery-Grade Butane. See *Butane*.

Refinery Input, Crude Oil. Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

Refinery Input, Total. The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

Refinery Production. Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

Refinery Yield. Represents the percent of finished product produced from input of crude oil, hydrogen, and other hydrocarbons, and net input of unfinished oils. Except for finished motor gasoline, finished aviation gasoline, and distillate fuel oil, EIA calculates refinery yield equal to net production of a finished petroleum product divided by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished motor gasoline, subtract input of natural gas liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components from net production of finished motor gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished aviation gasoline, subtract net input of aviation gasoline blending components from net production of finished aviation gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of distillate fuel oil, subtract input of renewable fuels except fuel ethanol (including input of biodiesel, renewable diesel fuel, and other renewable fuels) from distillate fuel oil net production and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. Prior to data for January 2009, EIA calculated refinery yields (except for finished motor gasoline) equal to finished product net production divided by the sum of input of crude oil and net input of unfinished oils. EIA calculated refinery yield of finished motor gasoline equal to net production of finished motor gasoline minus the sum of input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components divided by the sum of input of crude oil and net input of unfinished oils.

Reformulated Blendstock for Oxygenate Blending (RBOB). See *Motor Gasoline Blending Components*.

Reformulated Gasoline. See *Motor Gasoline (Finished)*.

Renewable Fuels (Other). Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

Residual Fuel Oil. A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

Stock Change. The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No.

2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Supply. The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

TAME (Tertiary amyl methyl ether) $(CH_3)_2(C_2H_5)COCH_3$. An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

Tank Farm. An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

Tanker and Barge. Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

TBA (Tertiary butyl alcohol) $(CH_3)_3COH$. An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene $(C_6H_5CH_3)$. Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

Ultra-Low Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

Unaccounted for Crude Oil. Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

Unfinished Oils. All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils,

kerosene and light gas oils, heavy gas oils, and residuum.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding, those in plant condensate. This product is extracted from natural gas.

United States. The United States is defined as the 50 States and the District of Columbia.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in

which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

Working Storage Capacity. The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene ($C_6H_4(CH_3)_2$). Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.